JavaCro'15

Java Certification

–

in theory and practice

Branko Mihaljević
Tihomir Smuđ
Aleksander Radovan
Jurica Križanić

HUJAK

Hrvatska udruga Java korisnika
www.hujak.hr

Branko **Mihaljević**

- **IT educator,
  IT manager,
  Software architect,
  IT Entrepreneur**

- MSc, PhD, DSM

- **HUJAK** – one of the **founders** and **JUG leader / president** of **HUJAK** for 3.5 years

- Education and Research
  - 12 years at FER
  - 2 years at Algebra and VERN'
  - Currently employed at **RIT Croatia**

- Professional experience
  - 15+ years freelancer
  - 7 years CTO and co-owner at Beta Tau Beta (BTB)
  - Currently (2 years) CEO and owner at/of **ITERAGO**

Tihomir Smuđ

- **Software Architect, Software Developer, Project manager, IT Entrepreneur**
- **HUJAK** – member
- Certificates
  - **Sun Certified Java Programmer**
  - **Oracle Certified Master**, **Java EE 5 Enterprise Architect**

- Professional experience
  - 4 years CTO at RAO
  - 4 years Senior Java Developer at Infodom
  - 2.5 years CTO and owner at **S2 informacijski sustavi**

S2 INFORMACIJSKI SUSTAVI D.O.O.

Aleksander **Radovan**

- **Software Architect, Software Developer, Scrum Master, IT Educator**

- MSc, PhD candidate

- **HUJAK** – **president** of **The Board of Education**

- Certificates
  - **OCAJP 7**

- Education and Research
  - Senior Lecturer degree
  - 10 years at TVZ
  - 4 years at VVG
  - 1 year at Algebra

- Professional experience
  - 10+ years experience with Java
  - Currently employed as Java Team Lead at **KING ICT**

Java Certification – Can I do it?

- **800.000+ developers** have some Java certification
  - Out of 9.000.000 Java developers
- **30.000+ new certifications**/year

Oracle Certified Professional certificate template

- **Afsah Shafquat**, Pakistan
  - SCJP at age of **12** (2001)
  - SCWCD at age of **12** (2001)
  - SCBCD at age of **14** (2003)
  - IBMCJ2EED at age of 14 (2003)
- **Suril Rakesh Shah**, India
  - SCJP at age of **10** (2002)
- **Afrah Shafquat** (*sister*), Pakistan
  - SCJP at age of **11** (2003)
- **Dishaan Ahuja**
  - SJCP at age of **11** (2005)
  - SCWCD at age of **12** (2006)
  - SCBCD at age of **13** (2007)
- **Nyemahame Allwell Worgu**
  - SCJP at age of **12** (2007)

- One of the **highly recognized** certifications
- **Higher earning** potential ($$$)
- **Hiring advantages** over non-certified professionals
- Skilled Java developers are in **high demand**
- **Increased performance**
- **Boost** your **confidence**
- Address **knowledge** and **skill** gaps and **sharpen your mind**
- Your employer **may pay** for it ☺
- Networking and **community benefits**
- Help your company **increase business**

Some marketing stuff ☺

- **Value of IT Certifications** Presentation, CompTIA, October 14, 2014
  - **93%** of Hiring Managers believe certifications are **beneficial**
- **Oracle Certification Survey**
  - **87%** - certification enhances their professional **credibility**
  - **84%** - have seen their job **prospects improve**
  - **70%** - improved their **earning power**
  - **83%** - **more productive** in their jobs
  - **90%** - provide a **higher level of service**
  - **80%** - helps them tackle **complex issues** & projects
- **Employment Benefits**
  - **90%** - certified to **increase knowledge or skills**
  - **90%** - credibility when **looking for a new job**
  - **55%** - remain in their jobs **longer** if their employer helps them become certified

Where to find more info?

education.oracle.com

www.hujak.hr

Java certifications by Oracle

Other Java certifications

- **O'Reilly School of Technology** certifications
  - **Java Programming Certificate**
    - http://www.oreillyschool.com/certificate-programs/java-programming/
  - **Advanced Java Programming Certificate**
    - http://www.oreillyschool.com/certificate-programs/advanced-java-programming/
- **Spring** certification
  - **Certified Spring Professional**
  - **Certified Spring Web Application Developer**
    - https://pivotal.io/training#spring
    - http://www.javacodegeeks.com/2014/06/springsource-certified-spring-professional.html
- **Other specialized certifications** for specific products/tools
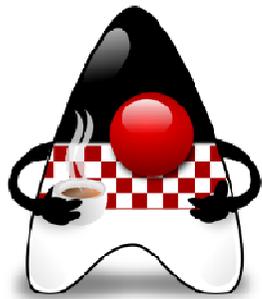
Java Certification Roadmap

Oracle Certified Associate (OCA)

Java SE 5/6, 7 or 8 Programmer

ORACLE®
CERTIFICATION PROGRAM

Oracle Certified Professional (OCP)

Java SE 5, 6, 7 or 8 Programmer

Java ME 1
Mobile Application Developer

Oracle Certified Expert (OCE)

Java EE 6 Enterprise JavaBeans Developer

Java EE 6 Java Persistence API Developer

Java EE 6 Web Services Developer

Java EE 6 Web Component Developer

Java EE 6 JavaServer Faces Developer

Oracle Certified Master (OCM)

Java SE 6 Developer

Java EE 5 or 6 Enterprise Architect

Image by **HUJAK**, 2015

Certificate Acronyms

- **OCA** – Oracle Certified **Associate**
  - **OCAJP** – Oracle Certified Associate, **Java SE** 5/6, 7 or **8** Programmer
- **OCP** – Oracle Certified **Professional**
  - **OCPJP** – Oracle Certified Professional, **Java SE** 5, 6, 7 or **8** Programmer
  - **OCPJMAD** – Oracle Certified Professional, **Java ME** 1 Mobile Application Developer
  - **OCPJWCD** – Oracle Certified Professional, **Java EE** 5 Web Component Developer
  - **OCPJWSD** – Oracle Certified Professional, **Java EE** 5 Web Services Developer
  - **OCPJBCD** – Oracle Certified Professional, **Java EE** 5 Business Component Developer
- **OCE** – Oracle Certified **Expert**
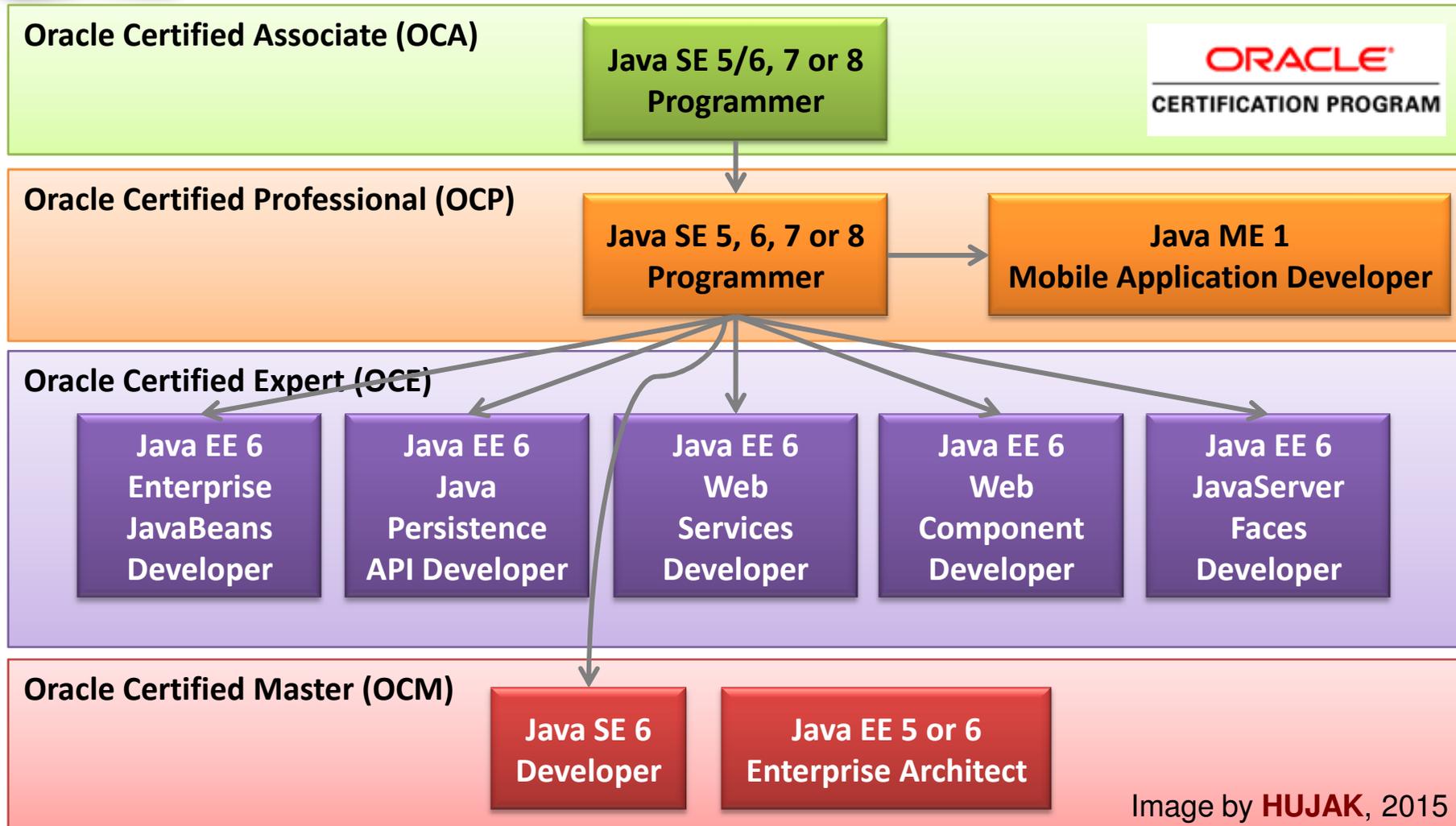 - **OCEEJBD** – Oracle Certified Expert, **Java EE** 6 Enterprise JavaBeans Developer
  - **OCEJPA** – Oracle Certified Expert, **Java EE** 6 Java Persistence API Developer
  - **OCEJSFD** – Oracle Certified Expert, **Java EE** 6 JavaServer Faces Developer
  - **OCEJWSD** – Oracle Certified Expert, **Java EE** 6 Web Services Developer
  - **OCEJWCD** – Oracle Certified Expert, **Java EE** 6 Web Component Developer
- **OCM** – Oracle Certified **Master**
  - **OCMJD** – Oracle Certified Master, **Java SE** 6 Developer
  - **OCMJEA** – Oracle Certified Master, **Java EE** 5 or 6 Enterprise Architect

Java SE **Programmer**

	OCAJP 7	OCAJP 8	OCPJP 7	OCPJP 8 Beta (info from April)
Exam	Java SE 7 **Programmer I** 1Z0-803	Java SE 8 **Programmer I** 1Z0-808	Java SE 7 **Programmer II** 1Z0-804	Java SE 8 **Programmer II** 1Z0-809
Duration	120 min	150 min	150 min	150-210 min
Questions	70	77	90	???
Passing Score	63%	65%	65%	TBD
Study Materials	Java SE 7 Fundamentals, **Sierra & Bates, Gupta, Herrera**	Java SE 8 Fundamentals, **Boyarsky & Selikoff**	Java SE 7 Programming, **Sierra & Bates, Gupta, Herrera**	+Java SE 8 New Features, **(Boyarsky & Selikoff, Dec 2015?)**
Mock Test	Yes	Yes	Yes	No

www.hujak.hr

OCAJP **Exam Objectives**

OCAJP 7

- Java Basics
- Data Types
- Operators and Decision Constructs
- Arrays
- Loops
- Methods and Encapsulation
- Inheritance
- Exceptions

OCAJP 8

- Java Basics
- Data Types
- Operators and Decision Constructs
- Arrays
- Loops
- Methods and Encapsulation
- Inheritance
- Exceptions
- **Selected classes from Java API**
    - **StringBuilder, Strings, calendar data classes, ArrayList, Lambda expressions**

www.hujak.hr

OCAJP Experience

- Only **basics** covered, but be **careful**!
- **~ 100 seconds** per question
- Some **awkward questions**, **anti-practice** examples
- Many "**does not compile**" answers
- **Cherry picking first**, long-text questions later
- **Mock exams** very useful
- Good investment in **OCA/OCP books** with "**Test simulator**"
- Results available **30 minutes after the exam**, sent to email

OCAJP **Example Question**

- Test question examples
  - From OCA/OCP Java SE 7 Programmer I & II Study Guide"

```
public class Hedges {
  public static void main(String[] args) {
    String s = "JAVA";
    s = s + "rocks";
    s = s.substring(4,8);
    s.toUpperCase();
    System.out.println(s);
  }
}
```

What is the result?

A. JAVA
B. JAVAROCKS
C. rocks
D. rock
E. ROCKS
F. ROCK
G. Compilation fails

☑   D is correct. The substring() invocation uses a zero-based index and the second argument is exclusive, so the character at index 8 is NOT included. The toUpperCase() invocation makes a new String object that is instantly lost. The toUpperCase() invocation does NOT affect the String referred to by s.

☒   A, B, C, E, F, and G are incorrect based on the above.

16

Given that the Integer class is in the java.lang package, and given:

```
1. // insert code here
2. class StatTest {
3.    public static void main(String[] args) {
4.       System.out.println(Integer.MAX_VALUE);
5.    }
6. }
```

Which, inserted independently at line 1, compiles? (Choose all that apply.)

A. `import static java.lang;`

B. `import static java.lang.Integer;`

C. `import static java.lang.Integer.*;`

D. `static import java.lang.Integer.*;`

E. `import static java.lang.Integer.MAX_VALUE;`

F. None of the above statements are valid import syntax.

☑ **C** and **E** are correct syntax for static imports. Line 4 isn't making use of `static imports`, so the code will also compile with none of the imports.

☒ **A, B, D,** and **F** are incorrect based on the above. (OCA Objective 1.4)

www.hujak.hr

OCPJP Exam Objectives

Beta (April 25th) - only $50

OCPJP 7

- Class Design
- Advanced Class Design
- Object-Orientated Design Principles
- Generics and Collections
- String Processing
- Exceptions and Assertions
- I/O Fundamentals
- File I/O (NIO.2)
- Database Apps (JDBC)
- Threads
- Concurrency
- Localization

OCPJP 8

- Class Design
- Advanced Class Design
- Generics and Collections
- **Lambda Built-in Functional Interface**
- **Java Stream API**
- Exceptions and Assertions
- **Java 8 Date/Time API**
- I/O Fundamentals
- File I/O (NIO.2)
- Concurrency
- Database Apps (JDBC)
- Localization

Educated guess – out of beta in September?

www.hujak.hr

Prerequisites and Upgrades

- **Prerequisites**
  - **OCAJP 7** prerequisite for **OCPJP 7**
  - **OCAJP 8** prerequisite for **OCPJP 8**
  - Don't have to book OCAJP before OCPJP but won't receive certification until both are passed

- **Upgrades**
  - **Different** path for upgrade
    - From **OCPJP 7**
    - From **previous versions** (including SCJP - Java SE 1.4/5/6)
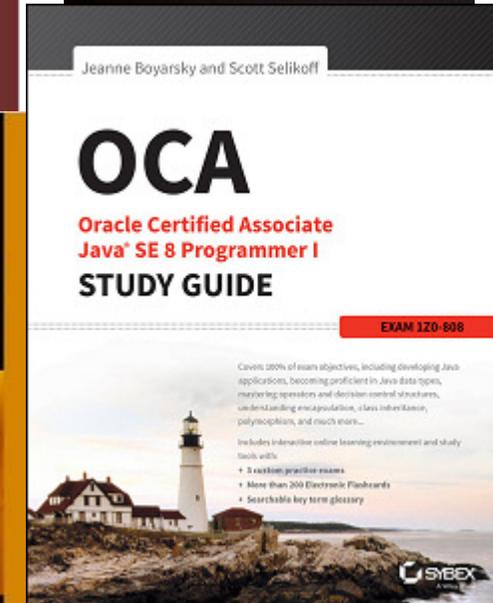
Upgrades

Beta – only $50

	OCPJP 8 Upgrade from OPCJP 7 (Beta)	OCPJP 8 Upgrade from Java 6 and prior (Beta)
Exam	Java SE 8 **Programmer II** 1Z0-810	Java SE 8 **Programmer II** 1Z0-813
Duration	???	150-225 min
Questions	???	???
Passing Score	TBD	TBD
Study Materials	Java SE 8 New Features	Java SE 8 New Features
Mock Test	No	No

OCPJP 8 Upgrade

- Lambda Expressions
- Built-in Lambda Types
- Filtering Collections with Lambdas
- Collection Operations with Lambdas
- Parallel Streams
- Advanced Lambda Cookbook
- Method Enhancements
- Java 8 Date/Time API
- JavaScript with Nashorn

Books for OCAJP and OCPJP
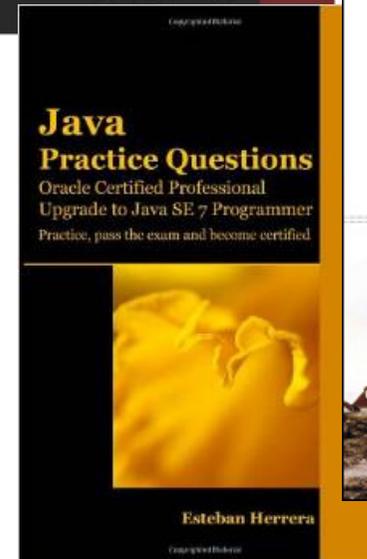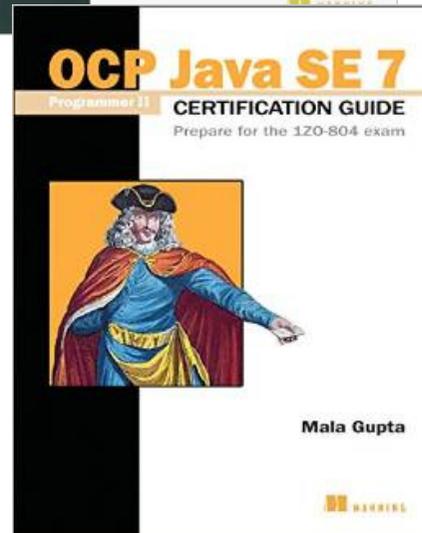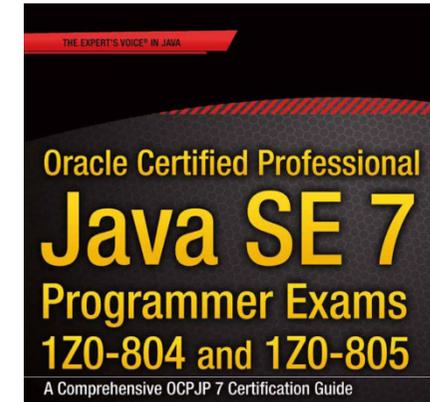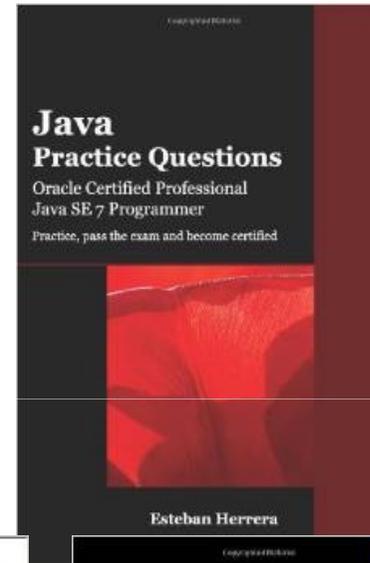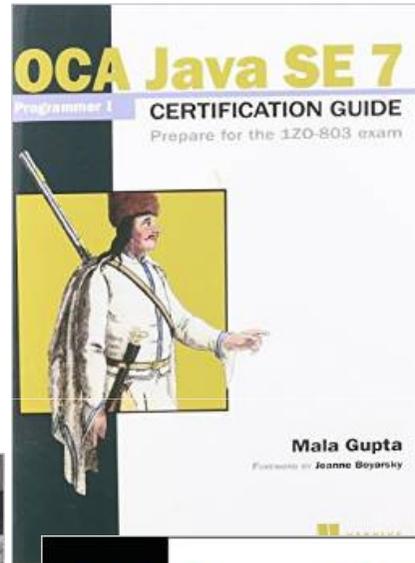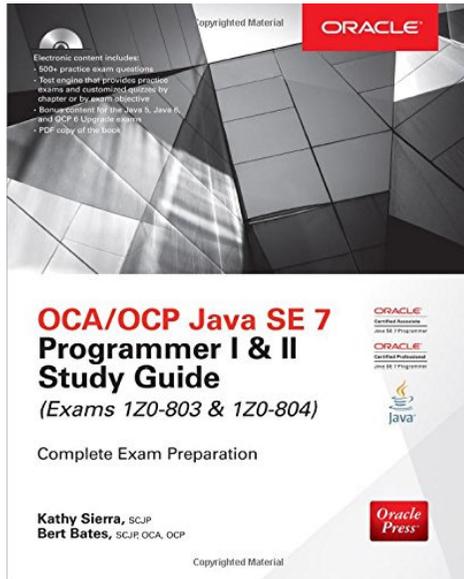
OCE Java EE (6) Developer

	OCEEJBD 6	OCEJPA 6	OCEJWCD 6	OCEJSFD 6	OCEJWSD 6
Exam	Java EE 6 **Enterprise JavaBeans** Developer Certified Expert 1Z0-895	Java EE 6 **Java Persistence API** Developer Certified Expert 1Z0-898	Java EE 6 **Web Component** Developer Certified Expert 1Z0-899	Java EE 6 **JavaServer Faces** Developer Certified Expert 1Z0-896	Java EE 6 **Web Services** Developer Certified Expert 1Z0-897
Duration	110 min	135 min	140 min	120 min	90 min
Questions	60	64	57	87	55
Passing Score	73%	61%	64%	70%	65%
Study Materials	Java EE 6: Develop Business Components with JMS & EJBs, Study notes EJB Spec	Java EE 6: Develop Database Applications with JPA, Study notes JPA Spec	Java EE 6: Develop Web Components with Servlets & JSPs, Lyons book, Servlet/JSP Spec	Java EE 6: Develop Web Applications with JSF, JSF Spec	Java EE 6: Develop Web Services with JAX-WS&JAX-RS, Study guide SOAP, WSDL and REST Spec
Mock Test	Yes	Yes	Yes	No	Yes

OCE **Exam Objectives**

OCEEJBD 6

- Java EE Basics
- Session Beans
  - Implementing, Accessing, Advanced Concepts, Singleton
- Messaging and Message-Driven Beans
- Timer Services Objectives
- Interceptor Classes and Methods
- Transactions
- Security
- EJB Best Practices

OCEJPA 6

- Java Persistence API
- JPA Entities
- Entity Manager
- Modeling Entity Relationships
- Entity Inheritance and Object-Relational Mapping
- Persisting Enums and Collections
- Querying
- JPA Query Language
- JPA Criteria API
- JPA in a Container
- Transactions and Locking
- Advanced JPA Concepts

OCE Exam Objectives #2

OCEJWCD 6

- Java Servlets
- Java Server Pages
- MVC Design
- Servlet's environment
- Containers for Servlets and JSP
- Views
- Developing JSP pages
- JSP pages using custom tags
- Controller facilities
- Options for the Model
- Asynchronous web applications
- Web application security

OCEJSFD 6

- JSF2.0 Essentials
- JSF Navigation Model
- Data Conversion and Validation model
- Event Handling
- Data table and Composite Components
- Custom Components
- Security
- Test, Package, and Deploy

OCEJWSD 6

- SOAP web service
- RESTful web service
- SOAP and RESTful services by EJB component
- Java EE security for SOAP web service
- Web service clients for SOAP and RESTful services
- Handlers for SOAP services
- Low-level SOAP services
- MTOM and MIME
- WS-Addressing with SOAP service
- Message Level security
- Best practices

OCE **Experiences**

- Example – **OCEJWSD 6**

- Useful if you work (a lot) with web services (SOAP/REST)

  - Getting more detailed info

  - A lot of info probably you won't use ☺

- JavaRanch is your friend

  - Info (study guide, mocks)

  - Q&A on forum

Master (OCM) steps

- **OCMJD 6** – Oracle Certified Master, Java SE 6 Developer

OCPJP certificate	1 course (out of 9)	Assignment 1Z0-855	Essay 1Z0-856	OCMJD certificate

- **OCMJEA 6** – Oracle Certified Master, Java EE 6 Enterprise Architect

1 course (out of 13)	Exam 1Z0-807	Assignment 1Z0-865	Essay 1Z0-866	OCMJEA certificate

www.hujak.hr

OCM **Objectives**

OCMJD 6 – Developer	OCMJEA 6 – Architect
Courses Possible **courses** (ILT, LVC, TOD or ULS, not self-study): • Developing Applications with Java EE 6 on WebLogic Server 12c • Java SE 7 New Features • Java SE 7 Programming • Java SE 7 Fundamentals • Object-Oriented Analysis and Design Using UML • Java SE 7 Develop Rich Client Applications • Java Performance Tuning with Mission Control & Flight Recorder • Java SE 8 Fundamentals • Java SE 8 Programming	Possible **courses** (ILT, LVC, TOD or ULS, not self-study): • Architect Enterprise applications with Java EE • Developing Applications for the Java EE 6 Platform • Java Design Patterns • Java EE 6 Develop Business Components with JMS & EJBs • Java EE 6 Develop Database Applications with JPA • Java SE 7 Fundamentals • Java SE 7 Programming • Web Component Development with Servlets & JSPs, Java EE 6 • Java EE 6 Develop Web Services with JAX-WS & JAX-RS • Java EE 7 New Features • Object-Oriented Analysis and Design Using UML • Java SE 8 Fundamentals • Java SE 8 Programming
Exam N/A	**Java EE 6 Enterprise Architect Certified Master 1Z0-807** **150** mins, **60** questions, **71%** pass score • **Application Design Concepts and Principles** • **Common Architectures** • **Integration and Messaging** • **Business Tier Technologies** • **Web Tier Technologies** • **Design Patterns** • **Security**

OCM **Objectives #2**

	OCMJD 6 – Developer	OCMJEA 6 – Architect
Assignment	**Java SE 6 Developer Certified Master Assignment 1Z0-855** – in 6 months from purchase **80%** pass score (immediate fails – very strict) **Java application program** with: • **GUI demonstrating good principles of design** • **Network connection and protocol** • **Network server** • **Database** Marking Criteria: General Considerations (20%), Documentation (12.5%), Object-Oriented Design (12.5%), GUI (17.5%), Locking (20%), Language Fluency (17.5%)	**Java (EE) Enterprise Architect Certified Master Assignment 1Z0-865** – in 6 months from purchase • **Application Design Concepts and Principles** • **Common Architectures** • **Integration and Messaging** • **Business Tier Technologies** • **Web Tier Technologies** • **Applicability of Java EE Technology** • **Patterns** • **Security**
Study	Enthuware: Complete Guidance, Pre Submission Validation, Sample Projects	Practice Guide (Amritendu), other books (next slide)
Essay	**Java SE 6 Developer Certified Master Essay 1Z0-856** – **120** mins Regarding application created in the assignment: • **Major choices you made** • **Main advantages and disadvantages of your choices** • **Justify your choices – comparison of design and implementation objectives**	**Java (EE) Enterprise Architect Certified Master Essay 1Z0-866** – **120** mins

- Books for **architects** ☺
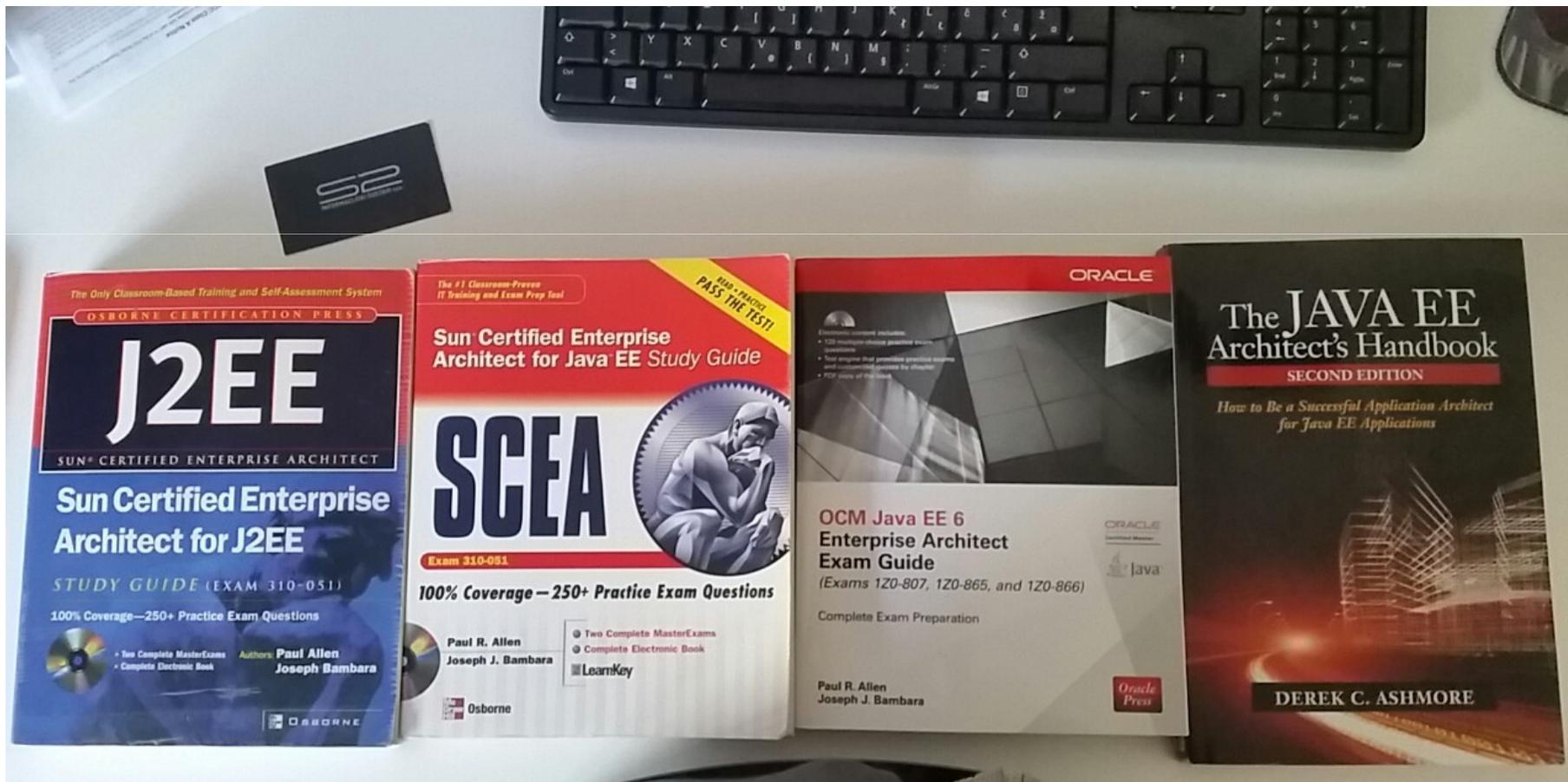
PROS

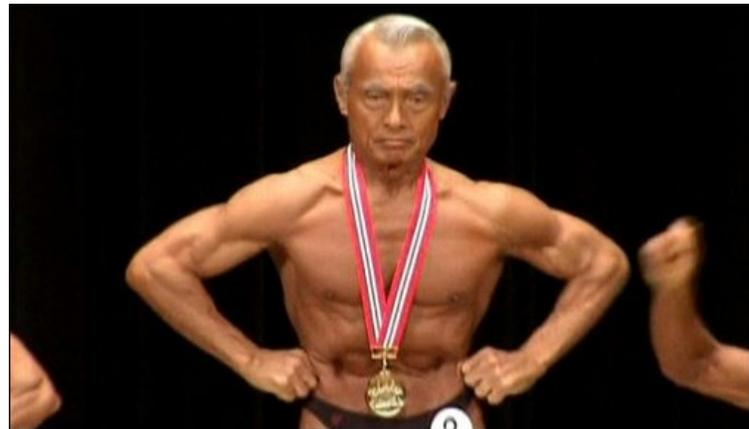- Java Certificate **does not get expired**
- Internationally **recognized**

CONS

- A waste of money if it doesn't bring **expected results**
- Some certificates more expensive than the others (e.g. OCM)

- More expensive than the others …

- Why do you really want to do it?

  - Gain **knowledge**?

  - **Prove something** to others or yourself?

  - Become **effective architect**?

  - **Show off**?

An **effective** architect

- While **tech skills** are necessary to be an effective architect they are not enough
- Architects **must**:
  - be effective **communicators**
  - work well with other **team** members
  - be able to **understand** the **business** aspects and requirements for the end user areas their applications support
- None of these facets of being an effective architects is measured by **any** of the certification exams!
- How would that exam even look like?
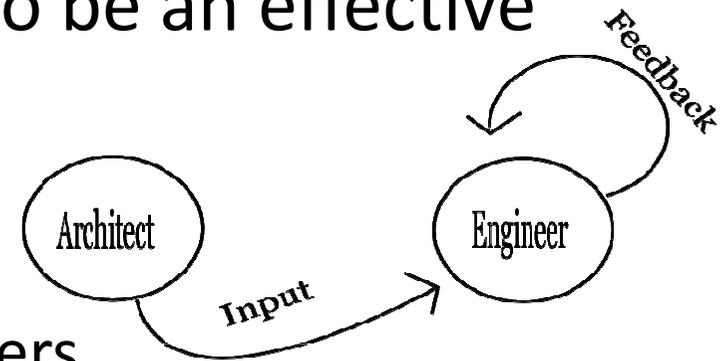
- Once you finally make it …
- If you are an **employer**
  - **Easier applying** to tenders
  - Oracle **partnership**
- If you are a **freelancer**
  - **LinkedIn headhunters**
  - **Spotlight**
- If you are an **employee**
  - **Raise?**
  - **Promotion?**
  - **Recognition?**

A lot of **questions**!

Does it really happen?!?

Is it worth it at all?!?

ORACLE®

Certified Master

THIS CERTIFIES THAT

Tihomir Smudj

IS RECOGNIZED BY
THE ORACLE CERTIFICATION PROGRAM AS AN

Oracle Certified Master, Java EE 5 Enterprise Architect

January 2, 2012

Senior Vice President, Oracle Corporation

Oracle Certified Master
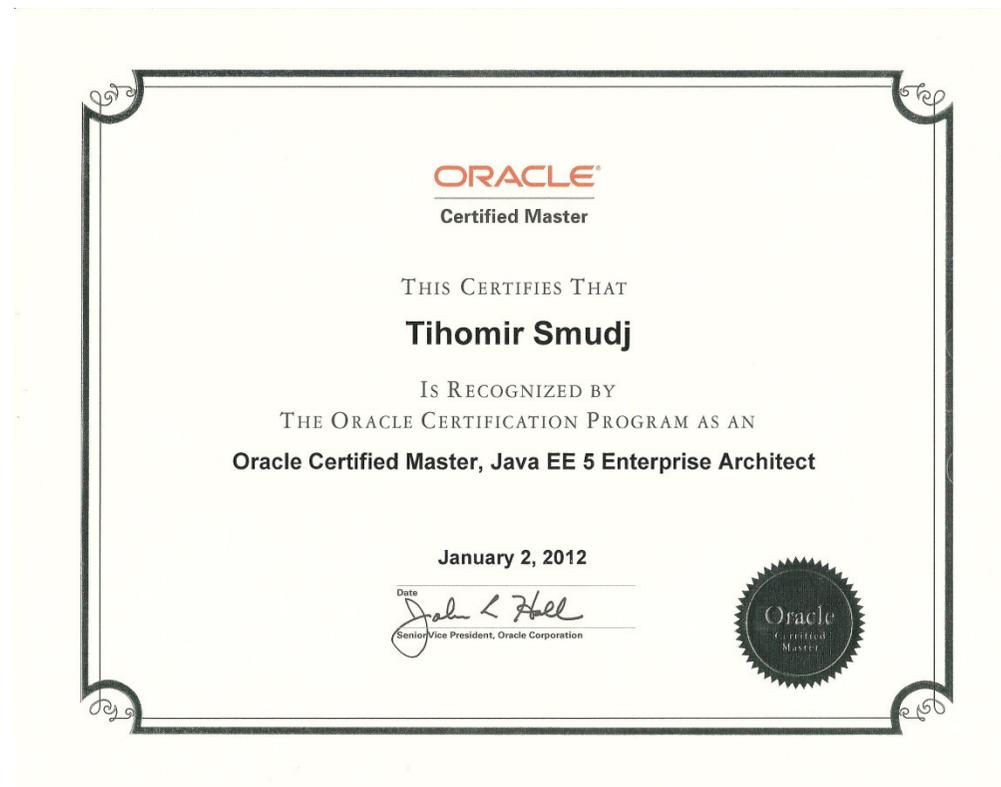
Finally – The Master

I think you know the answer... It is worth it!

----- Forwarded message -----
From: "architect-submit_US@oracle.com" <architect-submit_US@oracle.com>
To: "Tihomir Smud"
Subject: Oracle Certification: Your assignment results - OC0966733
Date: Mon, Mar 5, 2012 05:43

Hi Tihomir,

Congratulations! You have passed the Oracle Certified Master, Java EE 5 Enterprise Architect certification. You are among the elite 1% of certified Java professionals who have gone on to achieve the Java Enterprise Architect certification.

You have received a passing score. Passing grades do not receive a score, just the pass. A failing grade will receive section level scoring so that a candidate may isolate the area of failure and resubmit their assignment. Numeric scores are only provided on failures.

Kindly allow two weeks time to view the Oracle Certified Master, Java EE 5 Enterprise Architect certification status on your CertView profile.

Thank you for all your efforts with this certification, and good luck in your future endeavors with Java.

Please email us your mailing address and phone number in the following format, so that we can process your Oracle Certified Master, Java EE 5 Enterprise Architect certification success kit.

Address Line1:
Address Line2:
Address Line3:
City:
State:
Zip code / Postal code:
Country:
Phone No:

Please let us know if we may provide further assistance.

Regards,
OCP Team

ORACLE
Certified Master

Tihomir Smudj

Oracle Certified Master, Java EE 5
Enterprise Architect

Effective: January 2, 2012

Setting the Standard for Excellence

- **Register** for a exam via **Pearson VUE**
  - **Register** and **pay Pearson VUE directly**
    www.pearsonvue.com/oracle
  - Purchase **exam voucher** from **Oracle** and **register** at Pearson VUE
  - **Phone** a **Pearson VUE** certification **provider**
    - ZG: KING ICT, SRCE, Recro-Net, Algebra, T-Comp, SPAN, TVZ, Infosistem
    - RI: University of Rijeka
- Exam **vouchers**
  - Have an expiration date – most expire after 12 months
  - One free retake?
- **Retake** exam – registration allowed after 14 days
  - **Rescheduling** exam – at least 1 business day before exam

Buying and Writing Exam

- **Buying** Exam
  - **Prices** – most of the exams are approx. 1360 HRK
  - **Beta** exam for 50 USD ☺
  - Also OCAJP and OCPJP **value package** (course + voucher) 4384 HRK
- **Writing** Exam
  - **Closed book**
  - Learn the "**2 minute rule**" to answer
  - Objectives and questions can **change**, not all count
  - **Old** topics can be asked

Exam and Assignment **Rules**

- **After** the exam – certview.oracle.com and print
  - A **certificate "business card"**
  - Certificates send via **regular mail** in print
- **Submission** of **assignment** and **essay**
  - Both assignment and essay **within 6 months** of purchase
  - Assignment must be submitted **before** you register for the essay
  - **Resubmission** of assignment
    - Must be submitted within 30 days of failure notification by email
    - Required to purchase a new assignment and retake the essay

Criteria for **Business Levels**

- For **Oracle Specializations** (for Gold, Platinum and Diamond Level)

Specialization	Business Criteria	Competency Criteria
Java ME 1	OPN Membership Gold+ 2 Customer References	**2 x** OCPJMAD or OCPJP/SCJP 5/6
Java SE 7	OPN Membership Gold+ 2 Customer References	**2 x** OCAJP 7 or OCPJP 7
Java SE 8 (FY15-Q4)	OPN Membership Gold+ 2 Customer References	**2 x** OCAJP 8
Java EE 8	OPN Membership Gold+ 2 Customer References	**2 x** OCEEJBD 6 or OCEJPA 6 or OCEJWCD 6 or OCEJSFD 6 or OCEJWSD 6 or OCMJEA 6

- For **IBM PartnerWorld level**
  - Recognizes technical OCPJP (SCJP) and OCMJD (SCJD)

- **Books** – already mentioned …
- **Enthuware** mock exams
  - OCA/OCP/OCE Simulator enthuware.com
- **CodeRanch**.com (and **JavaRanch**) forums
  - www.coderanch.com/forums/c/7/certification
- **Help** from **colleagues**
  - **HUJAK forum** (LinkedIn group discussions)
  - Local **studying groups** (hujak.hr/certifikacija)
  - Other JUGs (e.g. Jozi JUG)
- …

Special offers from Oracle

- **Free Exam Retake** – Java Exam Registration
  - Promo code **RETAKE15LA** – ends **May 31, 2015**
    - www.pearsonvue.com/oracle/promos/retake/la.asp
- **Training & Certification – All-in-One**
  - Up to **20% discount**
  - **Course/Seminar + 1 ePractice Exam + 1 Exam Voucher**
  - Available: **OCAJP, OCPJP, OCEEJBD, OCEJPA, OCEJWCD, OCMJEA**
- **Oracle Exam Prep Seminar Packages**
  - **Exam Prep Seminar + 1 Exam Voucher [+ 1 ePractice Exam]**
  - Available: **OCPJP, OCEJWCD**
- **Oracle Learning Streams - Limited Time Special Offer**
  - Free Trial - Unlimited access to streaming courses 24/7
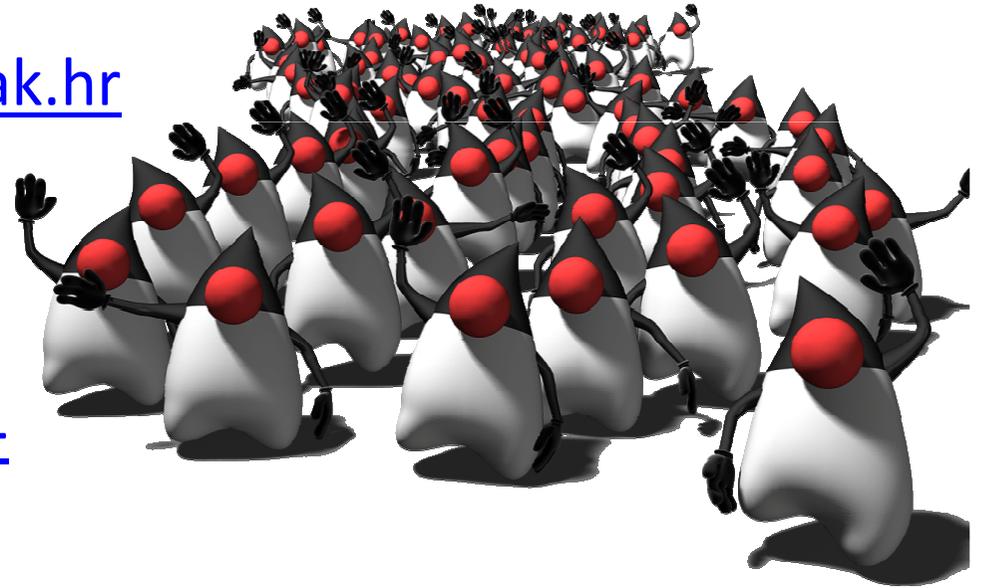
Thank you & greetings from HUJAK!

- Questions?
  - branko.mihaljevic@hujak.hr
  - tihomir.smudj@s2is.hr
  - aleksander.radovan@hujak.hr

- Web hujak.hr

LinkedIn group 4320174

Facebook HUJAK.hr

Twitter HUJAK_hr

Extra slides for discussion

Java certificates categories

- **Java SE**
  - **OCAJP** – Oracle Certified Associate, **Java SE** 7 or **8** Programmer
  - **OCPJP** – Oracle Certified Professional, **Java SE** 7 or **8** Programmer
  - **OCMJD** – Oracle Certified Master, **Java SE** 6 Developer
- **Java EE**
  - **OCEEJBD** – Oracle Certified Expert, **Java EE** 6 Enterprise JavaBeans Developer
  - **OCEJPA** – Oracle Certified Expert, **Java EE** 6 Java Persistence API Developer
  - **OCEJSFD** – Oracle Certified Expert, **Java EE** 6 JavaServer Faces Developer
  - **OCEJWSD** – Oracle Certified Expert, **Java EE** 6 Web Services Developer
  - **OCEJWCD** – Oracle Certified Expert, **Java EE** 6 Web Component Developer
  - **OCMJEA** – Oracle Certified Master, **Java EE** 6 Enterprise Architect
- **Java ME**
  - **OCPJMAD** – Oracle Certified Professional, **Java ME** 1 Mobile Application Developer

Training & Certification
All-in-One #1

- **Training & Certification, All-in-One**
  - Up to **20% discount**
  - **Course/Seminar + 1 ePractice Exam + 1 Exam Voucher**
- Available offers – Java SE
  - Java **SE 6 Associate** Certification Discount Package
    - **Self-Study** – 5,480 HRK -20%
  - Java **SE 6 Programmer** Certification Discount Package
    - **Self-Study** – 5,480 HRK -20%
  - Oracle Certified **Associate, Java SE 7 Programmer** Certification Discount Package
    - **Live Virtual Class and In-Class Training** – 10,160 HRK -20%
    - **Training On Demand** – 9,610 HRK -20%
  - Oracle Certified **Professional, Java SE 7 Programmer** Certification Discount Package
    - **Live Virtual Class, Training On Demand and In-Class Training** – 10,160 HRK -20%
  - Oracle Certified **Professional, Java SE 7 Programmer Upgrade** Certification Discount Package
    - **Live Virtual Class, Training On Demand and In-Class Training** – 5,210 -20%

www.hujak.hr

Training & Certification

ORACLE
CERTIFICATION PROGRAM

All-in-One #2

- Available offers – Java EE
  - Java **Enterprise Architect** Certification Discount Package
    - **Self-Study** – 10,030 HRK -20%
    - **Live Virtual Class, Training On Demand and In-Class Training**) – 18,780 HRK -20%
  - Java **EE 6 Enterprise JavaBeans Developer** Certification Discount Package
    - **Self-Study** – 4,930 HRK -20%
    - **Live Virtual Class and In-Class Training** – 10,760 HRK -20%
  - Java **EE 6 Java Persistence API Developer** Certification Discount Package
    - **Self-Study** – 4,930 HRK -20%
    - **Live Virtual Class and In-Class Training** – 10,760 HRK -20%
  - Java **EE 6 Web Component Developer** Certified Expert Certification Discount Package
    - **Self-Study** – 7,310 HRK -20%
    - **Live Virtual Class and In-Class Training** – 13,119 HRK -20%

www.hujak.hr

Exam Prep Seminar **Packages**

- **Oracle Exam Prep Seminar Packages**
  - **Exam Prep Seminar + 1 Exam Voucher + 1 ePractice Exam**
  - **Exam Prep Seminar + 1 Exam Voucher**
- Available offers SE/EE
  - Exam Prep Seminar Discount Package: **Java SE 6 Programmer** (**Training On Demand**) – 3,560 HRK -20%
  - Exam Prep Seminar Discount Package: **OCA Java SE 7 Programmer I** (**Training On Demand**) – 3,560 HRK -20%
  - Exam Prep Seminar Discount Package: **OCP Java SE 7 Programmer II** (**Training On Demand**) – 3,560 HRK -20%
  - Exam Prep Seminar Value Package: **OCE Java EE 5/6 Web Component Developer** (**Training On Demand**) – 3,710 HRK -20%

Free **Exam Retake** Offer

- **Free Exam Retake** with Your Java or Oracle Database 12c Certification Exam Registration
  - Offer ends **May 31, 2015**
  - http://www.pearsonvue.com/oracle/promos/retake/la.asp
- Register for exam and enter promotion code **RETAKE15LA**
- Exams: 1Z0-803, 804, 805, 808, 807, 895
  - Java SE 7 Programmer I | 1Z0-803
  - Java SE 7 Programmer II | 1Z0-804
  - Upgrade to Java SE 7 Programmer | 1Z0-805
  - Java SE 8 Programmer I | 1Z0-808
  - Java EE 6 Enterprise Architect Certified Master | 1Z0-807
  - Java EE 6 Enterprise JavaBeans Developer Certified Expert | 1Z0-895
  - Java EE 6 JavaServer Faces Developer Certified Expert | 1Z0-896
  - Java EE 6 Web Services Developer Certified Expert | 1Z0-897
  - Java EE 6 Java Persistence API Developer Certified Expert | 1Z0-898
  - Java EE 6 Web Component Developer Certified Expert | 1Z0-899
  - Java (ME) Mobile Edition 1 Mobile Application Developer Certified Professional | 1Z0-869

Oracle Learning Streams

- **Limited Time Special Offer**
- Free Trial – Oracle Learning Streams
- Get unlimited access to hundreds of streaming courses, 24/7
- Courses are continuously updated to help you stay current with the latest technology
- Purchase a Classroom Training, Live Virtual Class or Training On Demand course to qualify for this 30-day free trial
- Once you activate free trial, you'll get 50% off the next 12-month Stream subscription you purchase