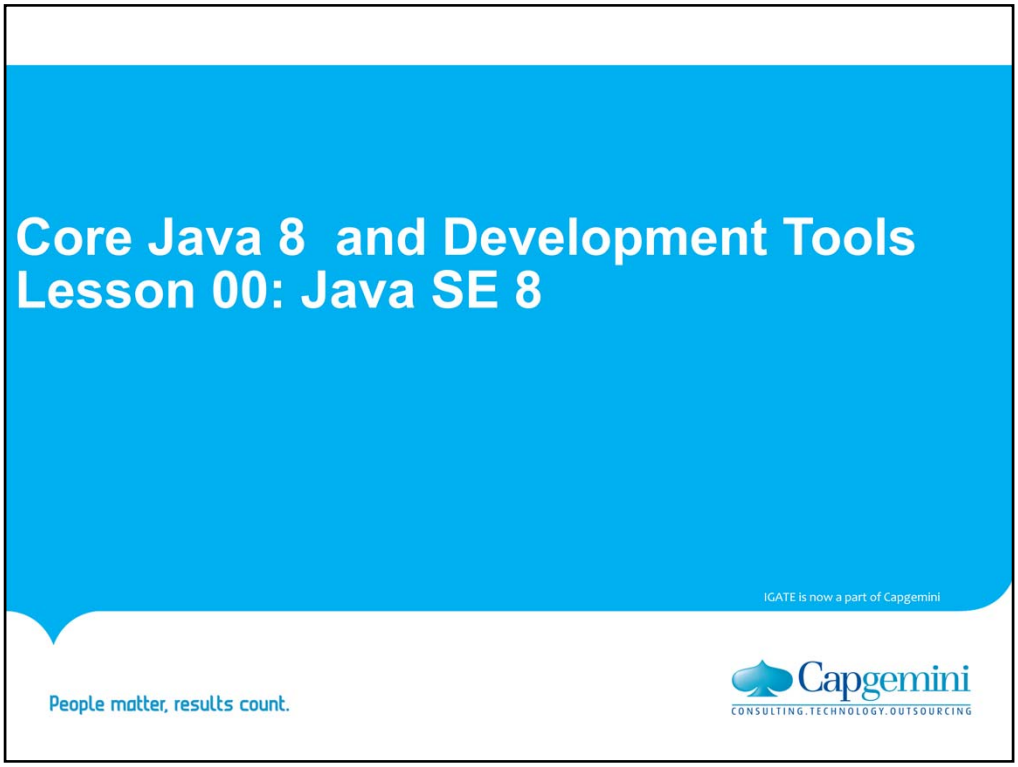

Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
12-Oct–2009	2.0	1.5	Anitha, Habib & Mahima	Revamped from J2SE 1.4 to J2SE 1.5
27-Oct-2009	3.0	1.5	CLS Team	Review
4 Jul 2011	4.0	1.5	Shrilata T	Changes in material made based on integration process
1 Mar 2015	5.0	1.8	Vinod Satpute	Changes made to include new features of Java version 6,7 and 8
25-May-2016	6.0	1.8	Tanmaya Acharya Uma Ponniamman	Changes made as per the ELT integrated TOC
5-Aug-2016	7.0	1.8	Yogini Naik	Changes made as per the Abridged JEE TOC

Course Goals and Non Goals

- Course Goals
  - Implementing OOPs features in Java
  - Developing Java Desktop Applications
  - Use of Core JDK 1.8 API including JDBC 4.0
  - Testing using Junit 4
  - Logging Application using Log4J
  - Implementing Multithreading

- Course Non Goals
  - Developing GUI applications

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Pre-requisites

- Basic Programming Concepts
- OOPs
- DBMS/SQL
- XML

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Intended Audience

- Developers new to Java technology

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 5

Day Wise Schedule

- Day 1
  - Lesson 1:Introduction to Java
  - Lesson 2: Eclipse 4.4 (Luna) as an IDE
  - Lesson 3: Language Fundamentals
  - Lesson 4: Classes and Objects
- Day 2
  - Lesson 5: Exploring Basic Java Class Libraries
  - Lesson 6: Inheritance and Polymorphism
- Day 3
  - Lesson 7: Abstract Classes and Interfaces
  - Lesson 8: Regular Expressions

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 6

Day Wise Schedule

- Day 3
  - Lesson 7: Abstract Classes and Interfaces
  - Lesson 8: Regular Expressions
- Day 4
  - Lesson 9 : Exception Handling
  - Lesson 10: Array
- Day 5
  - Lesson 11: Collection
  - Lesson 12: Generics

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 7

Day Wise Schedule

- Day 6
  - Lesson 13: File IO
  - Lesson 14: Introduction to Junit 4
- Day 7
  - Lesson 15: Property Files
  - Lesson 16: Java Database Connectivity (JDBC 4.0)
- Day 8
  - Lesson 17: Introduction to Layered Architecture
- Day 9
  - Lesson 18: Logging with Log4J
  - Lesson 20: Multithreading

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 8

Table of Contents

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 9

Table of Contents

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 10

Table of Contents

Table of Contents

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 12

Table of Contents

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 13

Table of Contents

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 14

Table of Contents

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 15

Table of Contents

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 16

Table of Contents

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 17

Table of Contents

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 18

Table of Contents

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 19

Table of Contents

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Table of Contents

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 21

Table of Contents

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 22

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  - Java, The Complete Reference; by Herbert Schildt
  - Thinking in Java; by Bruce Eckel
  - Beginning Java 8 Fundamentals by Kishori Sharan

- Websites:
  - Java home page: http://java.sun.com/
  - JDK 1.8 documentation: http://docs.oracle.com/javase/8/docs/
  - Multithreading : https://docs.oracle.com/javase/tutorial/essential/concurrency/index.html

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Next Step Courses

- Servlets
- JSP

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 24

Other Parallel Technology Areas

- C ++
- C#.Net
- Visual Basic.Net

