

User Guide

abelski

Course Components Order

- ❖ All courses share the same common structure.
- ❖ The components each course includes are organized in the same order in all courses.
- ❖ Some of the components are mandatory. Others are optional.

The next slide presents one of the courses together with orientation remarks that explain the position of each component.

Description (Mandatory)

This course provides a basic introduction for the Java programming language. It covers all topics required for those who want to develop Java SE stand alone applications and/or wish to move forward and take Java EE courses. This course uses the Java SE Software Development Kit, Standard Edition, version 6.0.

Forums Search (Mandatory)

Search Forums
[Advanced search ?](#)

Topic outline

News forum

Relevant Poll \ s (Optional)

Java Most Popular IDE

What is your favorite Java IDE?

Netbeans (4)

Eclipse (1)

JBuilder (0)

IntelliJ (0)

JCreator (0)

JDeveloper (0)

Latest News (Mandatory)

Latest News

4 Jul, 05:33
Admin User
I/O Streams New Assignments [more...](#)
[Older topics ...](#)

- 1 Introduction
 - Introduction
 - Introduction
- Code Samples
- Assignments Solutions
- Assignments Files
- Java History The Inside Story
- The Java Community Process Program
- Free eBooks Courses & Tutorials

Coming Events (Mandatory)

Upcoming Events

There are no upcoming events

[Go to calendar...](#)

- 2 Let's Start
 - Let's Start
 - Let's Start

Relevant Video \ s (Optional)

Java Puzzlers

Google Java Puzzlers

5. "Mind the Gap"

Recent Activities (Mandatory)

Recent Activity

Activity since Sunday, 24 August 2008, 01:05 PM
[Full report of recent activity...](#)

Nothing new since your last login

- The Israel Guide for Java 2 - Let's Start (Hebrew)
- Java 2 Tricky Questions - Let's Start (Questions)
- Java 2 Tricky Questions - Let's Start (Answers)
- Saying Hello Exercise (Difficulty Level 1/5)
- Greeting Exercise (Difficulty Level 1/5)
- Fruits Exercise (Difficulty Level 1/5)

Activities (Mandatory)

Activities

- Assignments
- Chats
- Forums
- Resources

- Cars Exercise (Difficulty Level 1/5)
- Code Samples
- Assignments Solutions
- Assignments Files
- Common Compilation Errors
- Java 2 SE API Documentation 6th Edition
- Java 2 SE API Documentation 5th Edition

Java Technology Headlines

Bluetooth and GPS: Part 1 - Reading Wireless

The busy Java developer's guide to Scala: Building a calculator, Part 1

Domain-specific languages have become a hot topic; much of the buzz around functional languages is their applicability to build such languages. In this, the eighth article in The busy Java developer's guide to Scala, Ted Neward starts building a simple calculator DSL that demonstrates the power of functional languages for building "external" DSLs. Toward that end, he explores a new feature of Scala, case classes, and revisits an old functional friend, pattern matching.

Dynamically manage XML schema variations in XMLBeans applications

Apache XMLBeans does not inherently support multiple versions of an XML schema. For applications that need this type of support to manage compatibility, this limitation is serious. But there is a solution, and in this article, you'll learn how dynamic class loading techniques can help.

The Java XPath API

Elliott Rusty Harold demonstrates Java 5's new XPath API.

[Source site...](#)

- Flash Fundamentals
- The jMaki Framework
- The Dojo Toolkit
- Introduction to Apache Derby
- Introduction to MySQL
- Introduction to Apache Tomcat
- Introduction to GlassFish

- Assignments Files
- Common Compilation Errors
- Java 2 SE API Documentation 6th Edition
- Java 2 SE API Documentation 5th Edition

3 The Basic

- [The Basic](#)
- [The Basic](#)
- [Relevant RSS Feeds \(Optional\)](#)
- [The Israeli Guide to Java 2 - Basic \(Hebrew\)](#)
- [Java 2 Tricky Questions - Basic \(Questions\)](#)
- [Java 2 Tricky Questions - Basic \(Answers\)](#)
- [Simple Exercise \(Difficulty Level 1/5\)](#)
- [Inner Loops Drawing Shapes Exercise \(Difficulty Level 3/5\)](#)
- [Multiplication Table Exercise \(Difficulty Level 2/5\)](#)
- [Factorial Exercise \(Difficulty Level 3/5\)](#)
- [Fibonacci Exercise \(Difficulty Level 3/5\)](#)
- [Code Samples](#)
- [Assignments Solutions](#)
- [Assignments Files](#)
- [Using Assertion in Java Technology Article](#)
- [JSR 41: A Simple Assertion Facility](#)
- [Programming With Assertions Documentation](#)

4 Introduction to OOP

- [Introduction to OOP](#)
- [Introduction to OOP](#)
- [Introduction to OOP Slides](#)
- [Code Samples](#)
- [Assignments Solutions](#)
- [Assignments Files](#)

5 Object Oriented Programming

- [Courses List \(Mandatory\)](#)
- [Object Oriented Programming](#)
- [Object Oriented Programming](#)
- [Object Oriented Programming Slides](#)
- [The Israeli Guide to Java 2 - Classes & Objects \(Hebrew\)](#)
- [Java 2 Tricky Questions - Classes & Objects \(Questions\)](#)
- [Java 2 Tricky Questions - Classes & Objects \(Answers\)](#)

Latest News

Topic Title (Mandatory)

Topic Forum (Mandatory)

Topic Forum (Mandatory)

Topic PDF Slides (Mandatory)

Other PDF Slides (Optional)

Upcoming Events

There are no upcoming events

Topic Assignments (Optional)

Recent Activity

Activity since Sunday, 24 August
2008, 01:05 PM

Topic Files (Optional)

Nothing new since your last login

Other Resources (Optional)

Activities

Assignments

Chats

Forums

Resources

Java Technology Headlines

The Java Com

Free eBooks,

The position of the components each topic includes might be different in each course and course. Yet, the inner order for each course is kept unchanged for all of its topic.

2

Let's Start

Let's Start

Let's Start

Let's Start Slides

The Israeli Guide for Java 2 - Let's Start (Hebrew)

Java 2 Tricky Questions - Let's Start (Questions)

Java 2 Tricky Questions - Let's Start (Answers)

Saying Hello Exercise (Difficulty Level 1/5)

Greeting Exercise (Difficulty Level 1/5)

Fruits Exercise (Difficulty Level 1/5)

The Monkeys Exercise (Difficulty Level 1/5)

Cars Exercise (Difficulty Level 1/5)

Code Samples

Assignments Solutions

Assignments Files

Common Compilation Errors

Java 2 SE API Documentation 6th Edition

Java 2 SE API Documentation 5th Edition

3

The Basic

The Basic

The Basic

Assignments Difficulty Levels

- ❖ All courses share the same assignments difficulty levels definition:

Difficulty Level 1/5

A very simple assignment. In most cases you will be given a short partial source code you will need to complete.

Difficulty Level 2/5

A simple assignment. In most cases you will be asked to develop a simple program that is very similar to one of the code samples you already saw.

Assignments Difficulty Levels

Difficulty Level 3/5

An assignment in which you will be asked to develop a simple program that is not similar to any of the samples you already saw. In few cases, assignments of this level will include a partial code you will need to complete. In most cases, assignments of this level will require you to search through API documentations.

Difficulty Level 4/5

An assignment in which you will be asked to develop a non simple program that is not similar to any of the samples you already saw. In most cases, assignments of this level will require you to search through API documentations and implement your knowledge and understanding.

Assignments Difficulty Levels

Difficulty Level 5/5

An highly difficult assignment in which you will be asked to develop a sophisticated program, that includes either a sophisticated algorithm or a sophisticated data structure. In most cases, assignments of this level will require you to search through API documentations, implement your understanding and take your programming capabilities to their extent.

Constant Improvement

- ❖ Whenever you encounter a presentation, code sample, diagram or any other training material that is not clear please don't hesitate and immediately drop me an email at haim.michael@abelski.com.
- ❖ I promise doing my best ASAP to add the required explanation or change the material to provide you with the complete understanding we all want you to have.

Thanks

Thanks for taking your time going over this presentation. Please don't hesitate and let me know of any idea you have to improve the training material this web site includes.

Huge resource are continuously invested in developing this site. All training material this site includes are free for private usage only! Should you encounter any non private usage of this material please assist me in my work and let me know.

Sincerely yours,

Haim.

Haim.Michael@abelski.com

User Guide

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08/26/08

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1

Course Components Order

- ❖ All courses share the same common structure.
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abelski You are logged in as Moshe Israeli (Logout)

Abelski > ZIND102

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Latest News

4 Jul, 05:33
Admin User
I/O Streams New Assignments more...
[Older topics...](#)

Upcoming Events

There are no upcoming events
[Go to calendar...](#)

Recent Activity

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[Full report of recent activity...](#)

Nothing new since your last login

Activities

- Assignments
- Chats
- Forums
- Resources

Java Technology Headlines

Bluetooth and GPS: Part 1 - Reading Wireless

Description (Mandatory)

Forums Search (Mandatory)

Search Forums
Advanced search

Topic outline

News forum

1 Introduction

Relevant Poll \ s (Optional)

What is your favorite Java IDE?
Netbeans (4)
Eclipse (1)
JBuilder (0)
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Latest News (Mandatory)

- Code Samples
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Coming Events (Mandatory)

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Recent Activities (Mandatory)

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- Java 2 SE API Documentation 5th Edition

Relevant Video \ s (Optional)

Google Java Puzzlers

4 "Mind the Gap"

The screenshot displays a web application interface with a sidebar on the left and a main content area on the right. The sidebar contains several sections:

- Resources**
- Java Technology Headlines**
- Java Technology Fundamentals**
- Core Java Technology Tech Tips**
- IBM Java Technology**: This section contains several articles, including "The busy Java developer's guide to Scala: Building a calculator, Part 1" and "Dynamically manage XML schema variations in XMLBeans applications". A red box highlights the text "Domain-specific languages have become a hot topic much of the buzz around functional languages is their appearance to build such languages." with a red arrow pointing to the article title.
- My courses**: This section lists various courses, including "Flash Fundamentals", "The J2EE Framework", "The Dojo Toolkit", "Introduction to Apache Derby", "Introduction to MySQL", "Introduction to Apache Tomcat", and "Introduction to GlassFish". A red box highlights the text "Introduction to Apache Tomcat" with a red arrow pointing to the article title in the main content area.

The main content area is divided into sections:

- Assignments Files**: Includes "Common Compilation Errors", "Java 2 SE API Documentation 6th Edition", and "Java 2 SE API Documentation 5th Edition".
- 3 The Basic**: This section is highlighted with a red box. It contains a list of items: "The Basic", "Relevant RSS Feeds (Optional)", "The Israeli Guide to Java 2 - Basic (Hebrew)", "Java 2 Tricky Questions - Basic (Questions)", "Java 2 Tricky Questions - Basic (Answers)", "Simple Exercise (Difficulty Level 1/5)", "Inner Loops Drawing Shapes Exercise (Difficulty Level 3/5)", "Multiplication Table Exercise (Difficulty Level 2/5)", "Factorial Exercise (Difficulty Level 3/5)", "Fibonacci Exercise (Difficulty Level 3/5)", "Code Samples", "Assignments Solutions", "Assignments Files", "Using Assertion in Java Technology Article", "JSR 41: A Simple Assertion Facility", and "Programming With Assertions Documentation".
- 4 Introduction to OOP**: This section contains "Introduction to OOP", "Introduction to OOP Slides", "Code Samples", "Assignments Solutions", and "Assignments Files".
- 5 Courses List (Mandatory)**: This section is highlighted with a red box and contains "Object Oriented Programming", "Object Oriented Programming", "Object Oriented Programming Slides", "The Israeli Guide to Java 2 - Classes & Objects (Hebrew)", "Java 2 Tricky Questions - Classes & Objects (Questions)", and "Java 2 Tricky Questions - Classes & Objects (Answers)".

The bottom of the interface shows a status bar with "Internet" and "100%" zoom level.

Latest News

- Topic Title (Mandatory)
- Topic Forum (Mandatory)
- Topic Forum (Mandatory)
- Topic PDF Slides (Mandatory)
- Other PDF Slides (Optional)

Upcoming Events

There are no upcoming events

- Topic Assignments (Optional)

Recent Activity

Activity since Sunday, 24 August 2008, 01:05 PM

- Topic Files (Optional)

Nothing new since your last login

- Other Resources (Optional)

Activities

- Assignments
- Chats
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Java Technology Headlines

2 Let's Start

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Sincerely yours,
Haim.

Haim.Michael@abelski.com