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Velocity Intermediate Course I Formats

2 minutes

Introduction

The intermediate course focuses on using and writing reusable code. We will see many code snippets from the library.

- [Lesson 1: Java Reflection](#)

We will look at Java reflection, discuss why we need to care about it, and learn how to use it.

- [Lesson 2: #define and #evaluate](#)

We will look at `#define` and `#evaluate` and learn how to use them to write really powerful code.

- [Lesson 3: Numbers, Strings, Dates, XML, and XSLT](#)

We will look at how to deal with numbers, strings, and dates, how to convert an XML `String` into an `Element`, and how to reuse XSLT formats.

- [Lesson 4: Writing Reusable Code](#)

We will look at how to write reusable code.

- [Lesson 5: Documenting Reusable Code](#)

We will look at how to document reusable code.

- [Lesson 6: MVC, Design Namespace, and Page Processing](#)

We will look at the MVC architecture, the significance of design namespaces, and how different types of pages can be created.

- [Lesson 7: Recursion and Iteration](#)

We will look at recursion, iteration, and tree traversal.

- [Lesson 8: Automatic Macro Invocations and Block Processing](#)

We will look at how to deal with blocks, using macro name computation and automatic macro invocations.

- [Lesson 9: Working with Web Services and the Cascade Database](#)

We will look at how to invoke web services and query the Cascade database within the context of Velocity.

- [Lesson 10: Working with Service Provider and Operation](#)

We will look at how to use the service provider to retrieve useful information. We will also visit briefly the `com.hannonhill.cascade.api.operation` package.

Examples

- [tutorials/intermediate](#)

