

Fundamentals of Programming Course

Course Description:

This course is designed to provide participants with the knowledge and skills through practical exercises, lectures, demonstrations and examples to enable them to develop Java applications, create and refine codes and prepare for the SCJP 6 Exam and achieve Sun Certified Programmer for Java credentials.

Course Objectives

- The pillars of object orientation: Encapsulation, Inheritance and Polymorphism. IS-A and HAS-A relationship, method overriding and overloading, interface implementation, legal return types, constructors and compilers attitude towards them. Statics, and coupling and cohesion.
- Java assignment, relational, arithmetic, conditional and logical operators, instanceof operator.
- Flow Control, Exceptions and Assertions; Strings, I/O, Formatting and Parsing; Generics and Collections; Inner classes and Threads.
- Defining, instantiating, and starting Threads, describing thread states and transitions, thread priorities and important thread methods.

Who Should Attend

The course is intended for students with some experience with Java. Exception to this can be programmers who have some real world experience with Object Oriented languages such as C++ or C# because of their similar syntax and structure. The candidate must have moderate understanding and reading skills in English language in order to pursue the course.

Training Duration:

Java Programmer Course has a total of eleven (11) Chapters. The whole material is designed to be covered in a total of 82 hours.

Training Cost:

The total cost of the training includes both, the training and the training materials.

Course	Cost
Fundamentals of Programming Course	€ 375.00

Class plan for academic year 09/10:

Course	Schedule	Start Date	End Date	Week Days
Fundamentals of Programming	19:00 - 21:00	19-Nov-09	25-Feb-10	T-Th
Fundamentals of Programming	19:00 - 21:00	16-Mar-10	10-Jun-10	T-Th