

Course detail of Core Java

Duration: 35 days

INTRODUCTION

5 hrs

1. Why Java
2. Paradigms
3. Diff b/w Java & Other (C,C++)
4. Java history
5. Java features
6. Java programming format
7. Java Tokens
8. Java Statements
9. Java Data Types
10. Typecasting
11. Arrays

OOPS

15 hrs

1. Introduction
2. Class
3. Object
4. Static Keywords
5. Constructors
6. This Key Word
7. Inheritance
8. Super Key Word
9. Polymorphism (Over Loading & Over Riding)
10. Abstraction
11. Encapsulation
12. Abstract Classes
13. Interfaces

STRINGMANIPULATIONS

4 hrs

String
StringBuffer
String Tokenizer

PACKAGES

4 hrs

Introduction to all predefined packages
User Defined Packages
Access Specifiers

EXCEPTION HANDLING

4 hrs

Introduction
Pre Defined Exceptions
Try-Catch-Finally
Throws, throw
User Defined Exception examples

MULTITHREADING

6 hrs

Introduction
Thread Creations
Thread Life Cycle
Life Cycle Methods
Synchronization
Wait() notify() notify all() methods

I/O STREAMS

4 hrs

Introduction
Byte-oriented streams
Character – oriented streams
File
Random-access file
Serialization

WRAPPERCLASSES

2 hrs

Introduction
Byte, Short, Integer, Long, Float, Double, Character, Boolean classes.

COLLECTION FRAME WORK

8 hrs

Introduction
Util Package interfaces, List, Set, Map
List interface & its classes
Set interface & its classes
Map interface & its classes

INNER CLASSES

3 hrs

Introduction
Member inner class
Static inner class
Local inner class
Anonymous inner class