

CORE JAVA COURSE SYLLABUS

Introduction

- Why Java
- Paradigms
- Diff B/W Java & Other (C,C++)
- Java History
- Java Features
- Java programming format
- Java Statements
- Java Data Types

OOPS(Object Oriented Programming & Systems)

- Object
- Constructors
- This Key Word
- Inheritance
- Super Key Word
- Polymorphism (Over Loading & Over Riding)
- Abstraction
- Interface
- Encapsulation
- Introduction to all predefined packages
- User Defined Packages
- Access Specifiers

STRING Manipulation

- String
- String Buffer



Array

- What is Array
- Single Dimensional Array
- Multi Dimensional Array
- Sorting of Arrays

Exception Handling

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

I/O Streams

- Byte-oriented streams
- Character – oriented streams
- File

Multithreading

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

Wrapper Classes

- Byte, Short, Integer, Long, Float, Double, Character
- Boolean classes

Inner Classes

- Member Inner Class
- Static Inner Class
- Local Inner Class
- Anonymous Inner Class

Collection Frame work

- Util Package interfaces, List, Set, Map
- List Interface 7 Its Classes
- Set Interface & Its Classes
- Map Interface & Is Classes

AWT

- Components
- Event-Delegation-Model
- Listeners
- Layouts
- Individual Components Lable, Button, Check Box, Radio Button,
- Choice, List, Menu, Text Field, Text Area

SWING(JFC)

- Introduction Diff B/W AWT and SWING
- Components hierarchy
- Panes
- Individual Swings components J Label
- JButton, JTextField, JTextAres