

Java Syllabus

Why Java ?

Paradigms
Diff b/w Java & Other (C,C++)
Java history
Java features
Java programming format
Java Tokens
Java Statements
Java Data Types
Typecasting
Arrays
OOPS

String Manipulations

String
String Buffer
String Tokenizer

Exception Handling

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

I/O Streams

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

Wrapper Classes

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

Inner Classes

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

Introduction

Class
Object
Static Keywords
Constructors
This Key Word
Inheritance
Super Key Word
Polymorphism (Over Loading & Over Riding)
Abstraction
Encapsulation
Abstract Classes
Interfaces

Packages

Introduction to all predefined packages
User Defined Packages

Access Specifiers

Multithreading

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

Networking

Introduction
Socket, Server socket
Client –Server Communication

Collection Framework

Introduction
Util Package interfaces, List, Set, Map
List interface 7 its classes
Set interface & its classes

Map interface & its classes



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AWT

Introduction
Components Event
Delegation-Model
Listeners

SWING(JFC)

Introduction Diff b/w awt and swing
Components hierarchy
Panels
Individual Swings components JLabel
JButton, JTextField, JTextAreas,
Individual components Label, Button, CheckBox,
Radio Button, Choice, List, Menu, Text Field,
Text Area

Layouts

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