**Java Course Syllabus**

**Day 1:**

**Introduction**

* Why Java
* Java History
* Java Features

**OOPS (Object Oriented Programming & Systems)**

* Introduction
* Object
* Constructors
* Inheritance
* Polymorphism (Over Loading & Over Riding)

**Day 2:**

* Abstraction
* Interface
* Encapsulation
* Introduction to all predefined packages
* User Defined Packages
* Access Specifiers

**Day 3:**

**STRING Manipulation**

* String
* String Buffer

**Array**

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

**Packages**

**Day 4:**

**Exception Handling**

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

**Day 5:**

**Multithreading**

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

**Day 6 and Day 7:**

**Collection Framework**

* Introduction
* Util Package interfaces, List, Set, Map
* List Interface & Its Classes
* Set Interface & Its Classes
* Map Interface & Is Classes

**Day 8**

**JDBC**

* Introduction
* Types of Drivers
* Statement
  + Prepared Statement

**Day 9**

**Java 8**

* Introduction
* Functional Interface
* Lambda Expression
  + Default and static method

**Day 10**

**For pending session if any and QA session**