**J2SE**

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|  |  | | Topic | |
| Day 1 | Morning Hours | | **Introduction of all Basics**  Introduction of Languages with OO Principles, Introduction of java Language with software evaluation of all JDK versions ( All JDK versions along features), Features of Java, Development of Hello Worlds Application, Fundamental Concepts (Java Tokens).  Jdk Installation, Set class path, compilation, execution and Basic hello world program.  **(Projects List & Abstract’s will be Given to Student’s)** | |
| Day 2 | Morning Hours | | **OOPS concepts**  Class, Object, Encapsulation, Polymorphism, Inheritance, Association. Aggregation, Composition. | |
|  | Afternoon  hours | | **Arrays and Exception Handling**  Introduction & Importance of Arrays, Various types of Arrays (single dimensional, multi-dimensional & Jagged Arrays), Introduction of Exception, Exception Handling, Some important Pre-defined exception, Creation of User defined exception with some example programs.  **(Everyday last 1 Hour will be on Project Requirements )** | |
| Day 3 | Morning | | **Files & I/O Streams**  Files & Streams (About all I/O streams with various operations), Packages (importance of packages, types of packages, about java in-built packages, user defined packages). | |
|  | Afternoon | | Practical Examples on Creation of array and multi-dimensional array, initialization and execution.  Examples on try and catch, throw, throws and user defined exception.  Practical Examples on java.io.\* package classes. | |
| Day 4 | Morning | | **Inheritance & Packages**  Inheritance, Method Overriding, dynamic method dispatch, super keyword, final keyword, Abstract methods, Abstract classes and interface, Introduction of packages, some built-in packages, Creation of Packages. Running Example Programs on all covered topics | |
|  | Afternoon | | **Inheritance & Packages**  Life Cycle of a Thread, Thread Priorities, Create a Thread by Implementing a Runnable Interface, Create a Thread by Extending a Thread Class, Thread Methods  Example on thread and runnable demo, thread synchronization, Major thread operations. | |
| Day 5 | Morning | | Installation of MYSQL Data Base & Data Base Creation & Tables in SQLYog.  JDBC examples on types, stages, statement and prepared statement.  **JDBC (Java DataBase Connectivity )**  Introduction of JDBC API, Types of drivers, How to connect with oracle using JDBC drivers with example programs, Introduction of JDBC API.  ResultSet, Executing Procedures, Some examples and application | |
|  | Afternoon | | **Web Application development using Servlets**  Introduction of Servlet API, Importance of Servlets for Web Applications, Servlet Life Cycle, Web Server(Tomcat 8.0) Configuration), Steps to Creation & Execution of Servlets using Tomcat server. | |
| Day 6 | Morning | | Installation of apache software, programs on servlets (Home Page, Login, Registrations and update profile) | |
|  | Afternoon | | **HTML, HTML-5-** **validations & CSS**  Various tags of html with examples, Linking between html and Java script code, developing css files in different ways, Creation of Web Pages using html, Performing client side validation using Java Script language | |
| Day 7 | | Morning | | **JSP (Java Servlet Pages )**  Introduction of JSP technology, Importance of JSP over Servlets, JSP Life Cycle methods, execution flow of JSP pages, Various tags in JSP (Scripting Tags, Directive Tags, Action Tags) with all possible attributes. |
|  | | Afternoon | | **Session Tracking in JSP**  Working with Cookies in JSP, Working with Sessions in JSP with different example programs, and Working with JSP and also working with JSP Grid View. |
| Day 8 | | Morning | | Project Requirement Selection.  **Abstracts Explication** |
|  | | Afternoon | | Project Requirement Selection.  **Abstracts Explication** |
| Day 9 | | Morning | | Project Requirement Selection.  **Abstracts Explication** |
|  | | Afternoon | | Project Requirement Selection.  **Abstracts Explication** |
| Day 10 | | Morning | | Project Requirement Selection.  **Execution of Project in Students Laptop & Explanation of Project** |
|  | | Afternoon | | Project Requirement Selection.  **Execution of Project in Students Laptop & Explanation of Project** |
| Day 11 | | Morning | | Project Requirement Selection.  **Execution of Project in Students Laptop & Explanation of Project** |
|  | | Afternoon | | Project Requirement Selection  **Execution of Project in Students Laptop & Explanation of Project** |
| Day 12 | | Morning | | Project Requirement Selection  **Execution of Project in Students Laptop & Explanation of Project** |
|  | | Afternoon | | Project Requirement Selection  **Execution of Project in Students Laptop & Explanation of Project** |
| Day 13 | | Morning | | Project Requirement Selection  **Execution of Project in Students Laptop & Explanation of Project** |
|  | | Afternoon | | Project Requirement Selection  **Execution of Project in Students Laptop & Explanation of Project** |

* Any College with min of 60 Students we can do
* 60/4 Student’s means 15 Batches only **JAVA Projects & JAVA Training**
* Only 1 Sr. Developer will come for class.
* Once the Project Selection is finished by students & Faculty (guide of the Batch’s)
* From 10th day of the Class we will be giving the Project Codes to students.
* Based on the selected project’s the developers will be coming.

**For Hyderabad Colleges We will Support at Our Office on any Working day**