Training on Core and Advanced JAVA

Introduction:

Java is a high-level programming language originally developed by Sun Microsystems and released in 1995. Java runs on a variety of platforms, such as Windows, Mac OS, and the various versions of UNIX. This tutorial gives a complete understanding of Java. This reference will take you through simple and practical approaches while learning Java Programming language. This training is an introduction to Core Java. It starts with steps to install required software and editor. It has details of OOPS concept with detailed examples and great explanation. It covers important concepts of Core Java. It covers History of Java, Origin, Features of Java, OOPS, Array and Multidimensional arrays. What is class, Control structures, Object, Method and different types of constructor, String, Exception Handling and Collection Framework examples. Each topic is covered with detailed explanation and with examples. The dictionary meaning of **advance** is a forward movement or a development or improvement and the meaning of improve means thing that makes something better. All in all, we have to improve our basic knowledge to master in that particular field. Java is divided into two parts i.e. **Core Java (J2SE)** and **Advanced Java (JEE)**. The core Java part covers the fundamentals (data types, functions, operators, loops, thread, exception handling, etc.) of the Java programming language. It is used to develop general purpose applications. Whereas **Advanced Java** covers the standard concepts such as database connectivity, networking, Servlet, web-services, etc. In this section, we will discuss **what is advance Java, its benefit, uses, topics of advance Java**, and the **difference between core Java and advance Java.**

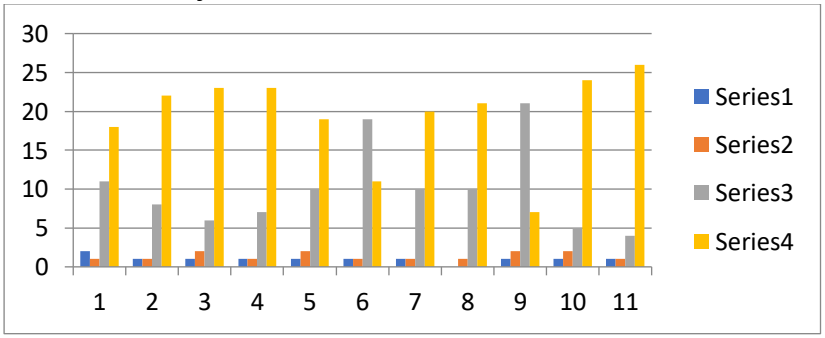
Course Objectives: After the training program, students will be able to:

1. Understand fundamentals of programming such as variables, conditional and iterative execution, methods, etc and be aware of the important topics and principles of software development.
2. Understand fundamentals of object-oriented programming in Java, including defining classes, invoking methods, using class libraries, etc.
3. Write a computer program to solve specified problems.
4. Understand the concept of **Client-Server architecture** for web- based applications.
5. Understand the working of HTTP protocol.

Program Details:

Training Program: Core and Advanced JAVA
Resource Organization: Ardent
Date: 02/11/2020 to 12/11/2020
Students who can attend: B. Tech (ECE) 5th Sem-2022 PO.

Feedback Analysis:



Report of Feedback Analysis:

Feedback for training was taken on 13th Nov 2020 with the 3rd year students (2022 PO). Analysis of feedback is listed below:

1. Duration of training should be increased then students will be able to understand more clearly.
2. Due to problem of internet connection students faced difficulty to do their project work.