POORNIMA COLLEGE OF ENGINEERING, JAIPUR
DEPARTMENT OF COMPUTER ENGINEERING

Campus: Poornima College of Engineering	**Year/Section: 3rd**	**Date: 02 Sept 2024**
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Zero Lab

Advance Java

It is a part of Java programming language. It is an advanced technology or advance version of Java specially designed to develop web-based, network-centric or enterprise applications. It includes the concepts like Servlet, JSP, JDBC, RMI, Socket programming, etc. It is a specialization in specific domain. Most of the applications developed using advance Java uses tow-tier architecture i.e. Client and Server. All the applications that runs on Server can be considered as advance Java applications.

Why advance Java?

It simplifies the complexity of a building n-tier application.

- Standardizes and API between components and application sever container.
- JEE application Server and Containers provides the framework services.
- Benefits of Advance Java

The four major benefits of advance Java that are, network centric, process simplification, and futuristic imaging standard.

JEE (advance Java) provides libraries to understand the concept of Client-Server architecture for web-based applications.

We can also work with web and application servers such as Apache Tomcat and Glassfish Using these servers, we can understand the working of HTTP protocol. It cannot be done in core Java.

It is also important understand the advance Java if you are dealing with trading technologies like Hadoop, cloud-native and data science.

It provides a set of services, API and protocols, that provides the functionality which is necessary for developing multi-tiered application, web-based application.

There is a number of advance Java frameworks like, Spring, Hibernate, Struts, that enables us to develop secure transaction-based web applications such as banking application, inventory management application.