JAVA Programming

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UNIT-1
Introduction to Java

Introduction

Welcome to the course **JAVA Programming**. This course will cover a core set of computer science concepts needed to create a modern software application using Java.

Basics & History of Java

- JAVA was developed by **Sun Microsystems** Inc in **1991**.

- It was developed by **James Gosling** and his team.

- Initially it was known as **Oak.**

- **Why Oak?** Oak is a symbol of strength and choosen as a national tree of many countries like U.S.A, Germany etc.

- In 1995, **Oak** was renamed as **"Java"**(name of famous coffee)

Java Editions

- **J2SE***(Java 2 Standard Edition) - to develop client-side standalone applications or applets.*

- **J2EE***(Java 2 Enterprise Edition) - to develop server-side applications.*

- **J2ME***(Java 2 Micro Edition) - to develop applications for mobile devices.*

What is java ?

- A general-purpose **Object-oriented language**.

- Write Once Run Anywhere (**WORA**).

- Designed for easy **Web/Internet** applications.

- Widespread acceptance.

Difference between C & JAVA

C	JAVA
C is a Procedural Oriented Language	Java is an Object Oriented Language
C support Pointer .	Java does not support Pointer .
C have preprocessor.	Java does not have preprocessor
C has include structures, unions and enum data types.	Java does not include structures, unions and enum data types.
C generally breaks down to functions.	Java breaks down to Objects.
It is not portable.	It is portable.
C is platform dependent.	Java is a platform independent.
It follows a top-down approach.	Java follows a bottom-up approach.
C does not supports Threading.	Java supports Threading.