Day 1 – History of Java

Objective:

To learn about the origin and evolution of the Java programming language.

Content:

Today, I studied the **History of Java** — a powerful, object-oriented programming language developed by **James Gosling** and his team at **Sun Microsystems** in the early 1990s. It was originally created for interactive television but soon gained popularity for web and enterprise applications due to its platform independence.

Timeline of Java:

- **1991:** Project initiated under the name *Oak*.

- **1995:** Officially released as *Java*.

- **1999:** Java was divided into three editions — J2SE, J2EE, and J2ME.

- **2009:** *Oracle Corporation* acquired *Sun Microsystems* and took over Java development.

Key Features Introduced:

- **Platform Independence:** Programs can run on any system with a Java Virtual Machine (JVM).

- **Object-Oriented Design:** Encourages code reusability and modularity.

- **Secure and Robust:** Strong memory management and error handling.

- **Portable:** "Write Once, Run Anywhere" (WORA) capability.

Learning Outcome:

Gained knowledge about the origin of Java, its creators, and its journey from *Oak* to one of the most widely used programming languages in the world. Understood why Java's platform independence makes it unique among programming languages.