

Day 01 – Introduction to Java



Overview

This section covers the basic introduction of Java, including its history and key features. These notes are part of my day-by-day Java learning journey.

The content is written in simple language for easy understanding and revision.

History of Java

- Java was developed by **James Gosling**, also known as the father of Java.
- The project started in **1991** and was completed in **1995**.
- It was developed by a team called the **Green Team**.
- The initial file extension was **.gt**, which was later changed to **.java**.
- Java has been owned by **Oracle Corporation** since 2010.
- The latest version of Java is **Java 25 (September 2025)**.

Features of Java

1. **Simple** – Java removes complex features like pointers.
2. **Object-Oriented** – Supports OOP concepts such as class and object.
3. **Platform Independent** – Java programs run on any OS using JVM.
4. **Interpreted** – Code is not directly executed by the computer.
5. **Scalable** – Suitable for both small and large-scale applications.
6. **Portable** – Bytecode can run on any platform.
7. **Secure** – Provides a secure environment for application development.

8. **Robust** – Helps in error-free programming.
9. **Memory Management** – Automatically handled by the JVM.
10. **High Performance** – Faster than older interpreted languages.
11. **Multithreading** – Allows multiple threads to run simultaneously.

Practice

- Reviewed Java history and features.
- Uploaded learning notes in PDF format.
- Will add basic Java programs in the next section.

Status

 Learning in progress – this repository is updated regularly as I learn new concepts.