EXPLORING JAVA BEAN VS POJO VS SPRING BEAN

JAVA BEAN:

- A JavaBean is a special type of Java class that **follows certain conventions**.
- **EJB** (Enterprise Java Bean) introduced this concept called **Java Bean**. And this concept is **not important** anymore. People not using EJB now.
- To be considered a JavaBean, a class must follow certain conventions, including:

    1. It must have a **public default constructor**, which **takes no arguments**.

    2. It must expose its properties using **getter and setter methods**, with standard naming conventions for the methods (e.g. getProperty() and setProperty()).

    3. It must **implement the Serializable interface**, which allows instances of the class to be serialized and deserialized.

POJO (Plain Old Java Object):

- **POJO** stands for "Plain Old Java Object." It is a term used to describe a **Java object** that is **simple**, **lightweight**, and **not tied to any framework** or technology.
- No constraints
- Any Java Object is a **POJO**!

SPRING BEAN:

- A Spring bean is a Java object that is managed by the Spring Framework's Inversion of Control (IoC) container.
- In other words, it is an object that is **instantiated**, **configured**, and **managed** by the **Spring container**, rather than being created directly by application code.