

1. Install Apache Tomcat

- Go to Tomcat Downloads (Choose Tomcat 9 or 10 for Java 17).
- Download **Windows zip** (not .exe installer).
- Extract to a folder like `C:\apache-tomcat-9.0.89`.

2. Add Tomcat to Eclipse

1. Open **Eclipse IDE**.
2. Go to **Window** → **Preferences** → **Server** → **Runtime Environments**.
3. Click **Add** → Select **Apache Tomcat v9.0** (or v10.0) → **Next**.
4. Browse to your Tomcat installation directory (e.g., `C:\apache-tomcat-9.0.89`).
5. Click **Finish** → **Apply and Close**.

3. Configure Project for Tomcat

1. Right-click your project → **Properties**.
2. Go to **Targeted Runtimes** → Check **Apache Tomcat v9.0**.
3. Click **Apply and Close**.

4. Build Path Settings

- Since `pom.xml` already has **Servlet**, **JSP**, **Hibernate**, and **MySQL** dependencies, Maven will handle libraries.
- Right-click Project → **Maven** → **Update Project**.

5. Deploy & Run the Application

1. Go to **Servers** tab in Eclipse (bottom of IDE).
If not visible → **Window** → **Show View** → **Servers**.
2. Right-click inside Servers → **New** → **Server**.
3. Select **Apache** → **Tomcat v9.0 Server**.
4. Choose Tomcat installation directory → **Finish**.
5. Drag & drop your project to the Tomcat server in Servers tab.
6. Right-click Tomcat → **Start** or **Run on Server**.

6. Access Application in Browser

- Once started, open:
- `http://localhost:8080/WebHiberbate/`
- `Index.jsp` will load, and you can navigate to Create, List, Update, and Delete Employee pages.

7. Database Setup

- Make sure MySQL database `webemp` exists:
- `CREATE DATABASE webemp;`
- **Hibernate** (`hbm2ddl.auto=update`) will create tables automatically.