Maven is a widely used build automation and project management tool. It is used to manage the build lifecycle of a software project, including tasks such as compiling source code, managing dependencies, and packaging artifacts.

Steps to install

1) Download Maven from the official website

2) Follow the installation instructions for your operating system.

Create a Maven Project:

- Open Eclipse IDE.
- Go to "File" -> "New" -> "Other...".
- In the "Select a wizard" dialog, expand "Maven" and select "Maven Project".
- Click "Next".
- Choose "Create a simple project" and click "Next".
- Enter the "Group Id" and "Artifact Id" (e.g., com.example and myhibernateproject).
- Click "Finish".

Configure Hibernate Dependency:

- Open the pom.xml file in the project.
- Add the Hibernate dependencies to the <dependencies> section.

    For example, these dependencies are on what I am currently working on for my project

```xml
<project xmlns="http://maven.apache.org/POM/4.0.0"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
      <modelVersion>4.0.0</modelVersion>

      <groupId>com.guru</groupId>
      <artifactId>HostelManagementSystem</artifactId>
      <version>0.0.1-SNAPSHOT</version>
      <packaging>jar</packaging>

      <name>HostelManagementSystem</name>
      <url>http://maven.apache.org</url>

      <properties>
            <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
      </properties>

      <dependencies>
            <!-- https://mvnrepository.com/artifact/org.hibernate/hibernate-core
-->
            <dependency>
                  <groupId>org.hibernate</groupId>
                  <artifactId>hibernate-core</artifactId>
                  <version>5.6.15.Final</version>
            </dependency>
```

```xml
		<!-- https://mvnrepository.com/artifact/mysql/mysql-connector-java -
->

		<dependency>
			<groupId>mysql</groupId>
			<artifactId>mysql-connector-java</artifactId>
			<version>8.0.30</version>
		</dependency>


		<dependency>
			<groupId>junit</groupId>
			<artifactId>junit</artifactId>
			<version>3.8.1</version>
			<scope>test</scope>
		</dependency>
	</dependencies>
</project>
```

Create Hibernate Configuration File:

- Create a hibernate.cfg.xml file in the src/main/resources directory to configure Hibernate.
- Example configuration:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-configuration SYSTEM
"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>
	<session-factory>
		<property name =
"connection.driver_class">com.mysql.cj.jdbc.Driver</property>
		<property name =
"connection.url">jdbc:mysql://localhost:3306/hostelmanagementsystem</property>
		<property name = "connection.username">root</property>
		<property name = "connection.password">root</property>
		<property
name="dialect">org.hibernate.dialect.MySQL8Dialect</property>
		<property name="hbm2ddl.auto">create</property>
		<property name="show_sql">true</property>
		<mapping class="com.guru.entities.Student" />
		<mapping class="com.guru.entities.Block" />
		<mapping class="com.guru.entities.Room" />
	</session-factory>
</hibernate-configuration>
```

Write Hibernate Entities:

- Create Java classes representing your entities (e.g., com.example.model.Student) and annotate them with Hibernate annotations.

NOW YOU ARE GOOD TO GO😊