

Hibernate-2

Hibernate Annotation-

Create the Persistence class.

@Entity annotation marks this class as an entity.

@Table annotation specifies the table name where data of this entity is to be persisted. If you don't use @Table annotation, hibernate will use the class name as the table name by default.

@Id annotation marks the identifier for this entity.

@Column annotation specifies the details of the column for this property or field. If @Column annotation is not specified, property name will be used as the column name by default.

Why we need maven

- No need to add jar files manually
- We can directly add the dependency.

Coding....

- Step-1 : Create maven project.
- Step-2 : Add the dependency in pom.xml file
 - -hibernate-core
 - -mysql-connector-java
- Step-3 : Add the pojo class – Employee class
- Step-4 : Add the hibernate annotations to pojo class
- Step-5 : Add the hibernate.cfg.xml file

- Hbm.xml mapping file
- Hibernate.cfg.xml

FileEditSourceNavigateSearchProjectRunDesignWindowHelp

hibernate.cfg.xmlUpdate.javaDelete.javaSelect.javaDemoHibernate/pom.xml

1<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

2<modelVersion>4.0.0</modelVersion>

3<groupId>DemoProject</groupId>

4<artifactId>DemoHibernate</artifactId>

5<version>0.0.1-SNAPSHOT</version>

6<dependencies>

7<dependency>

8<groupId>org.hibernate</groupId>

9<artifactId>hibernate-core</artifactId>

10<version>6.1.3.Final</version>

11<type>pom</type>

12</dependency>

13<dependency>

14<groupId>mysql</groupId>

15<artifactId>mysql-connector-java</artifactId>

16<version>8.0.30</version>

17</dependency>

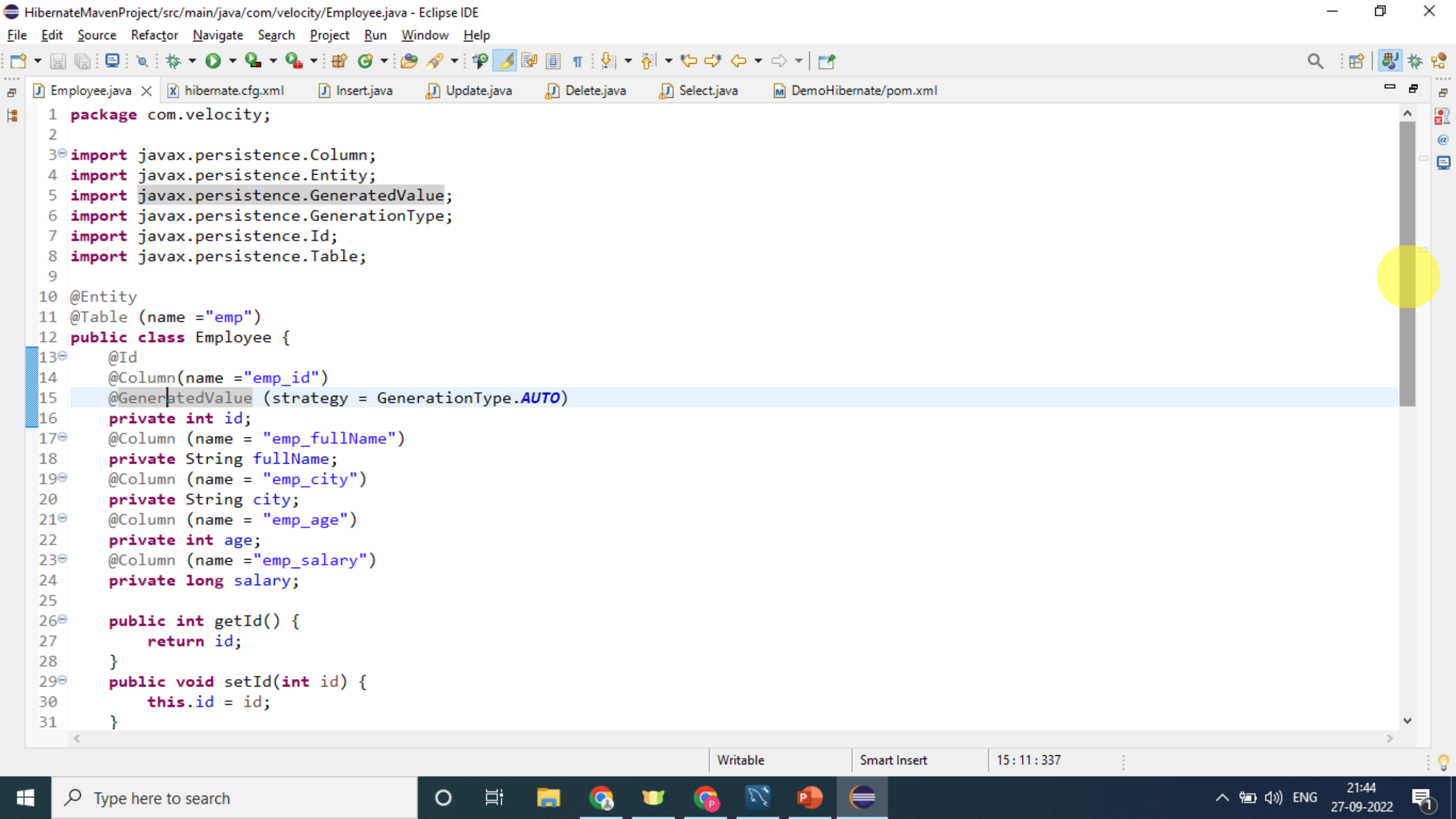
18</dependencies>

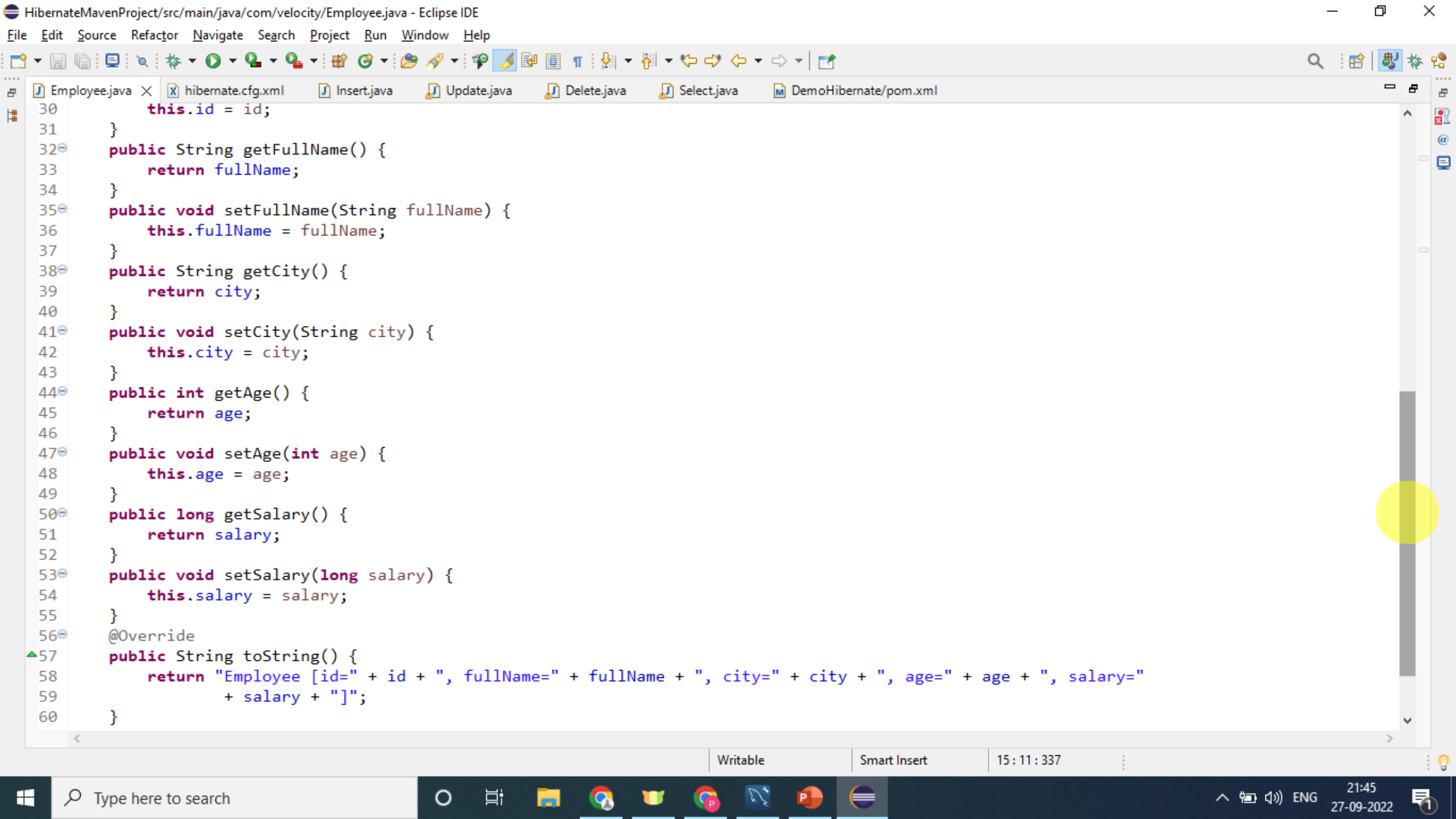
19</project>

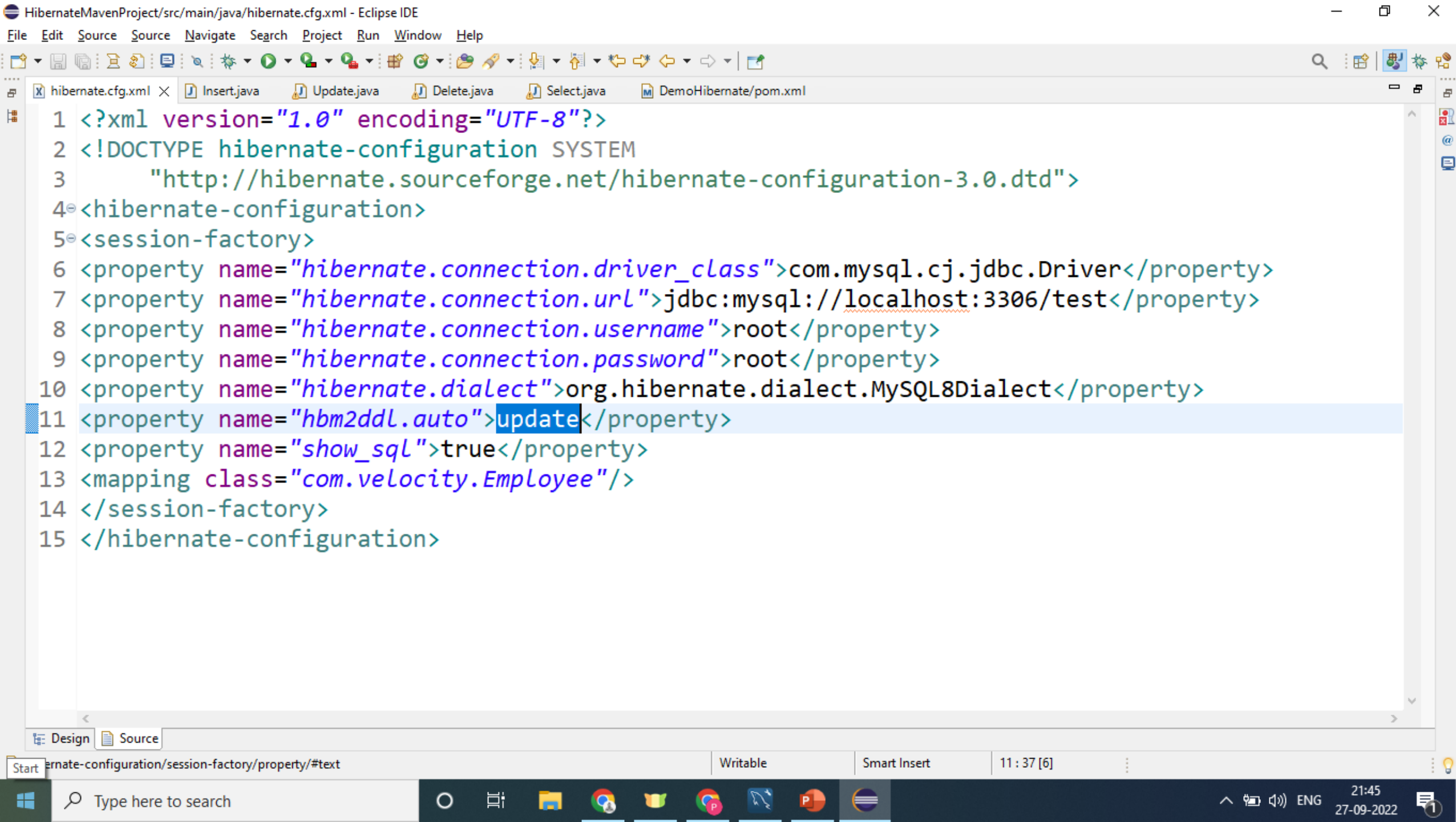
OverviewDependenciesDependency HierarchyEffective POMpom.xml


















WritableInsert19: 2: 702

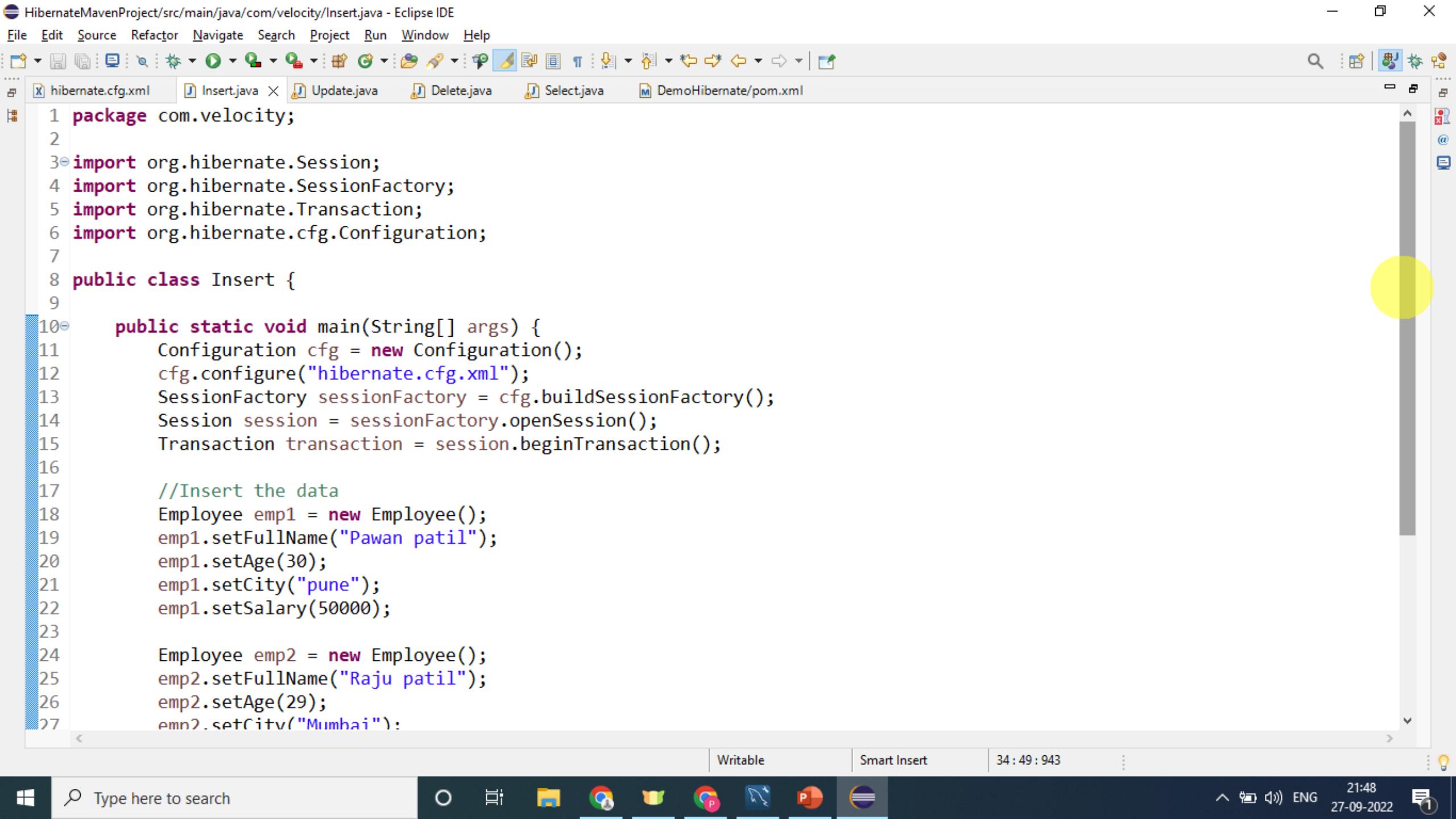
21:5327-09-2022

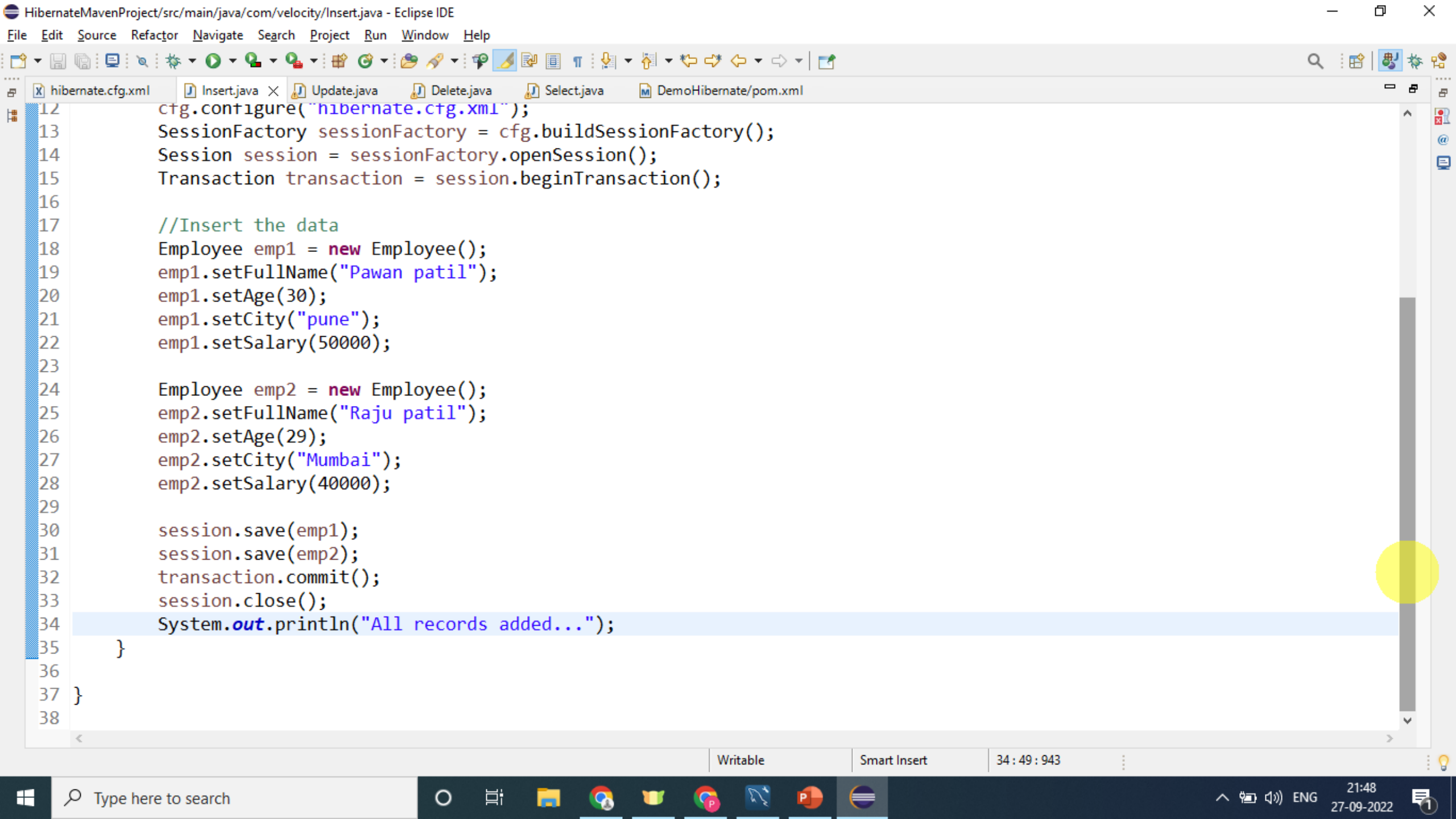


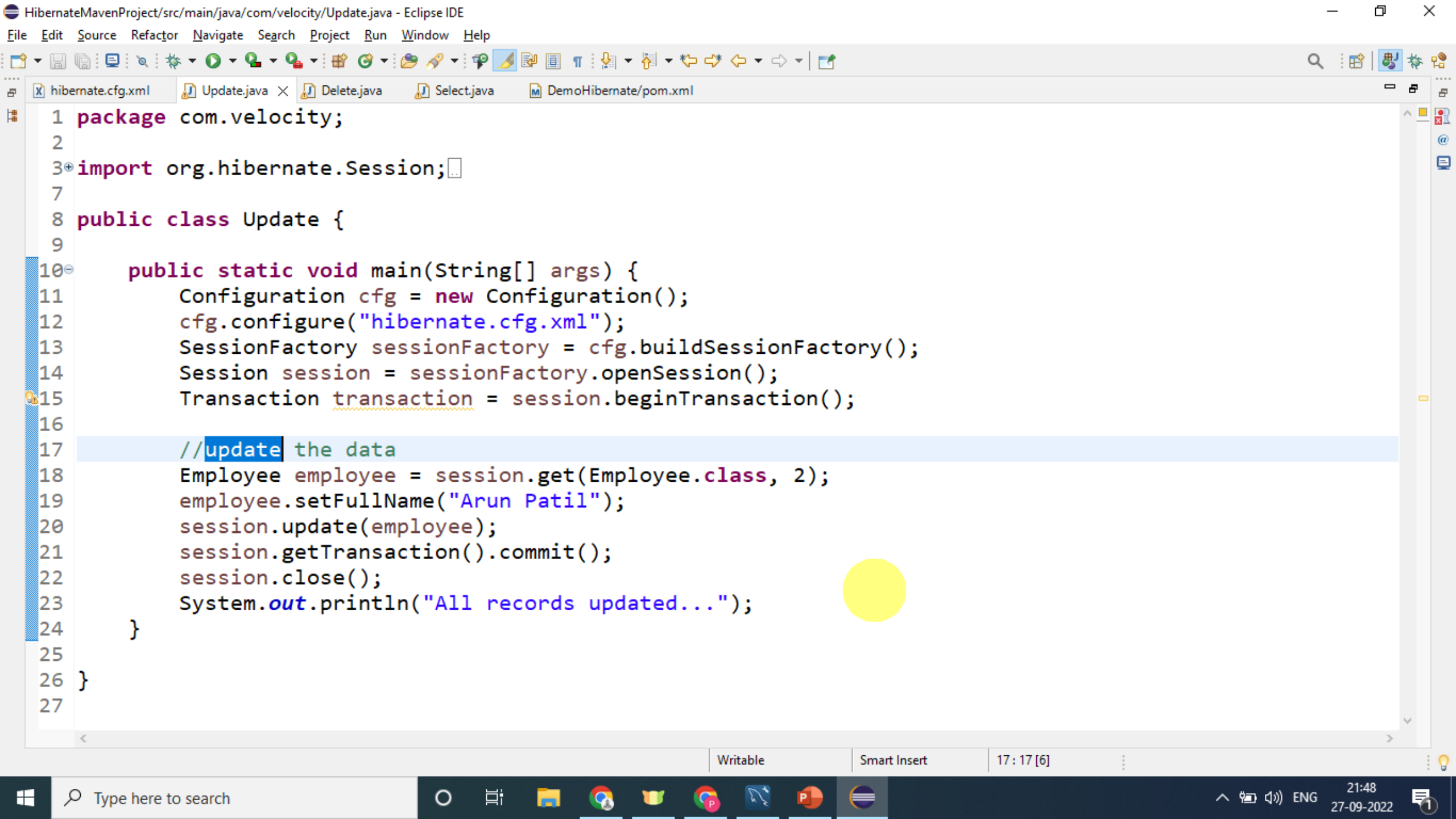


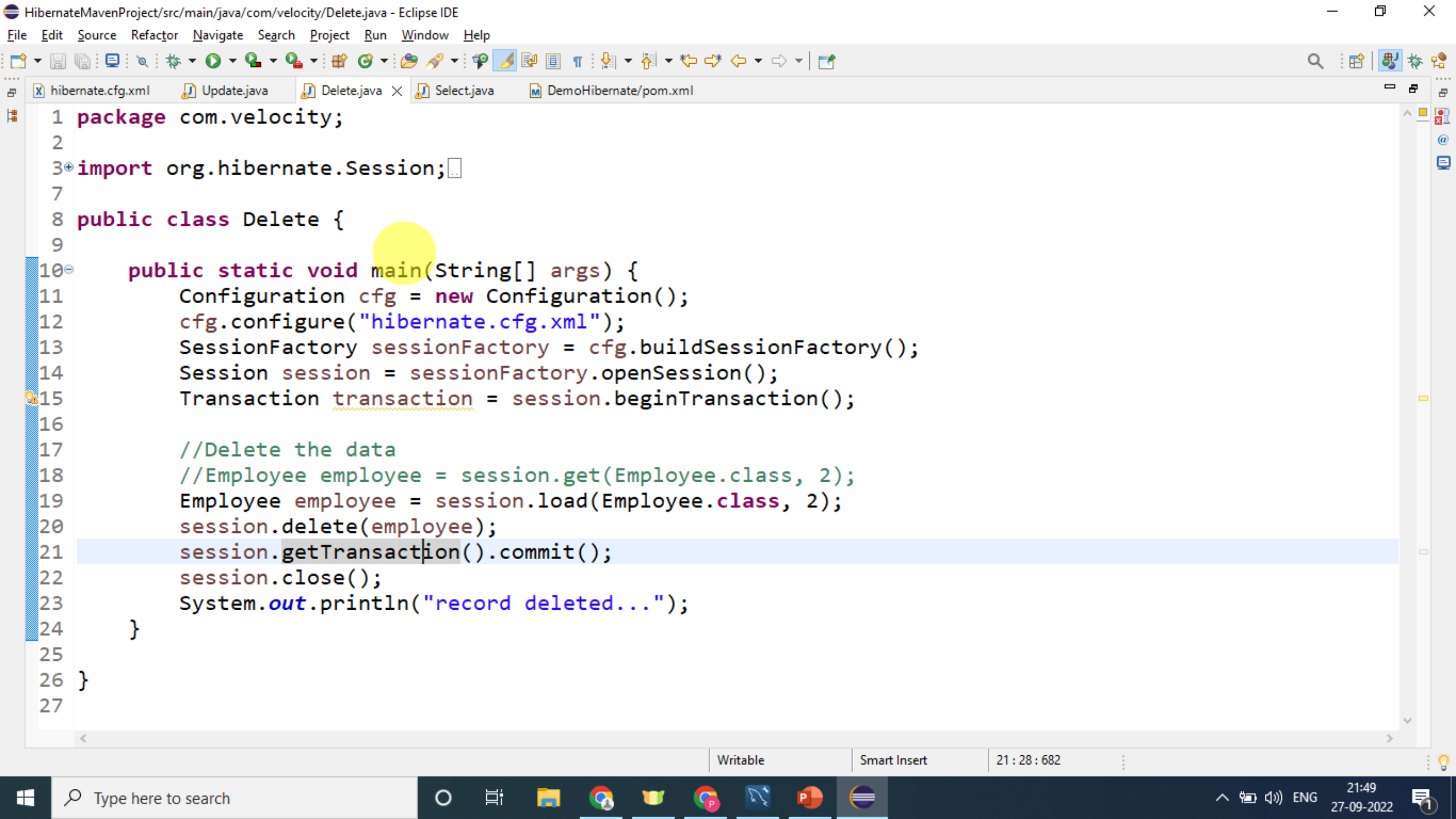


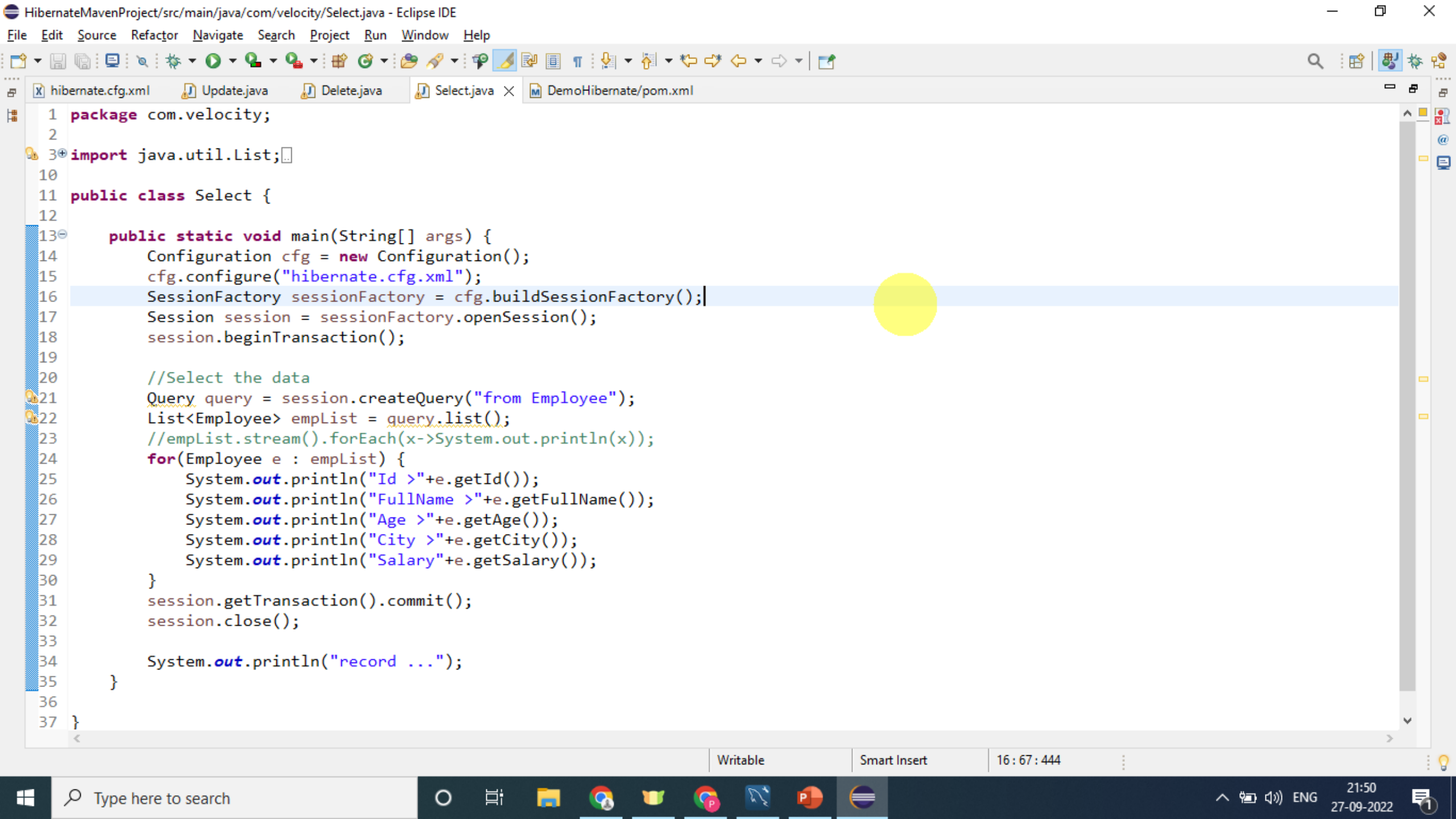
- ▼  HibernateMavenProject
 - ▼  src/main/java
 - ▼  com.velocity
 - >  Delete.java
 - >  Employee.java
 - >  Insert.java
 - >  Select.java
 - >  Update.java
 -  hibernate.cfg.xml
 -  src/main/resources
 -  src/test/java
 -  src/test/resources
 - >  JRE System Library [JavaSE-1.8]
 - >  Maven Dependencies
 - >  src
 -  target
 -  pom.xml











hibernateMavenProject/src/main/java/com/velocity/Select.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- arrays
- bank
- CollectionFramework
- constructorchaining
- Demo
- DemoHibernate
 - src/main/java
 - src/main/resources
 - src/test/java
 - src/test/resources
- JRE System Library [J2SE-1.5]
- Maven Dependencies
- src
- target
- pom.xml
- Encapsulation
- Exceptions
- HibernateDemo
- HibernateMavenProject
 - src/main/java
 - com.velocity
 - Delete.java
 - Employee.java
 - Insert.java
 - Select.java
 - Update.java
 - src/main/resources
 - src/test/java
 - src/test/resources
 - JRE System Library [JavaSE-1.8]
 - Maven Dependencies
 - src

hibernate.cfg.xml

```
1 package com.velocity;
2
3 import java.util.List;
4
5
6
7
8
9
10
11 public class Select {
12
13     public static void main(String[] args) {
14         Configuration cfg = new Configuration();
15         cfg.configure("hibernate.cfg.xml");
16         SessionFactory sessionFactory = cfg.buildSessionFactory();
17         Session session = sessionFactory.openSession();
18         session.beginTransaction();
19
20         //Select the data
21         Query query = session.createQuery("from Employee");
22         List<Employee> empList = query.list();
23         //empList.stream().forEach(x->System.out.println(x));
24         for(Employee e : empList) {
25             System.out.println("Id >" + e.getId());
26             System.out.println("FullName >" + e.getFullName());
27             System.out.println("Age >" + e.getAge());
28             System.out.println("City >" + e.getCity());
29             System.out.println("Salary" + e.getSalary());
30         }
31         session.getTransaction().commit();
32     }
33 }
```

Update.java Delete.java Select.java DemoHibernate/pom.xml

Problems @ Javadoc Console

<terminated> Select [Java Application] C:\Program Files\Java\jdk1.8.0_331\bin\javaw.exe (27-Sep-2022, 9:34:34 pm - 9:34:39 pm) [pid: 21364]

INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvir

Sep 27, 2022 9:34:38 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService

INFO: HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaP]

JRE System Library [J2SE-1.5] - DemoHibernate

Type here to search

21:52 27-09-2022

HibernateMavenProject/src/main/java/com/velocity/S

File Edit Source Refactor Navigate Search Proj

Package Explorer

- arrays
- bank
- CollectionFramework
- constructorchaining
- Demo
- DemoHibernate
 - src/main/java
 - src/main/resources
 - src/test/java
 - src/test/resources
- JRE System Library [J2SE-1.5]
- Maven Dependencies
- src
- target
- pom.xml
- Encapsulation
- Exceptions
- HibernateDemo
- HibernateMavenProject
 - src/main/java
 - com.velocity
 - Delete.java
 - Employee.java
 - Insert.java
 - Select.java
 - Update.java
 - hibernate.cfg.xml
 - src/main/resources
 - src/test/java
 - src/test/resources
 - JRE System Library [JavaSE-1.8]
 - Maven Dependencies
 - src

Properties for JRE System Library [J2SE-1.5]

Classpath Container

JRE System Library

Select JRE for the project build path.

System library

- ☒ Execution environment: J2SE-1.5 (jdk1.8.0_331) Environments...
- ☐ Alternate JRE:
- ☐ Workspace default JRE (jd

JRE-1.1 (jdk1.8.0_331)
OSGi/Minimum-1.1 (jdk1.8.0_331)
J2SE-1.2 (jdk1.8.0_331)
OSGi/Minimum-1.2 (jdk1.8.0_331)
J2SE-1.3 (jdk1.8.0_331)
J2SE-1.4 (jdk1.8.0_331)
J2SE-1.5 (jdk1.8.0_331)
JavaSE-1.6 (jdk1.8.0_331)
JavaSE-1.7 (jdk1.8.0_331)
JavaSE-1.8 (jdk1.8.0_331)
JavaSE-9 (unbound)
JavaSE-10 (unbound)
JavaSE-11 (unbound)
JavaSE-12 (unbound)
JavaSE-13 (unbound)
JavaSE-14 (unbound)
JavaSE-15 (unbound)
JavaSE-16 (unbound)
JavaSE-17 (unbound)
JavaSE-18 (unbound)

Installed JREs...

Apply and Close Cancel

Problems @ Javadoc Console

<terminated> Select [Java Application] C:\Program Files\Java\jdk1.8.0_331\bin\javaw.exe (27-Sep-2022, 9:34:34 pm - 9:34:39 pm) [pid: 21364]

INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvir

Sep 27, 2022 9:34:38 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService

INFO: HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaP]

JRE System Library [J2SE-1.5] - DemoHibernate

HibernateMavenProject/src/main/java/com/velocity/S

File Edit Source Refactor Navigate Search Proj

Package Explorer

- arrays
- bank
- CollectionFramework
- constructorchaining
- Demo
- DemoHibernate
 - src/main/java
 - src/main/resources
 - src/test/java
 - src/test/resources
 - JRE System Library [J2SE-1.5]
 - Maven Dependencies
 - src
 - target
 - pom.xml
- Encapsulation
- Exceptions
- HibernateDemo
- HibernateMavenProject
 - src/main/java
 - com.velocity
 - Delete.java
 - Employee.java
 - Insert.java
 - Select.java
 - Update.java
 - hibernate.cfg.xml
 - src/main/resources
 - src/test/java
 - src/test/resources
 - JRE System Library [JavaSE-1.8]
 - Maven Dependencies
 - src

Properties for JRE System Library [J2SE-1.5]

Classpath Container

JRE System Library

Select JRE for the project build path.

System library

- ☒ Execution environment: JavaSE-1.8 (jdk1.8.0_331) Environments...
- ☐ Alternate JRE: Installed JREs...
- ☐ Workspace default JRE (jdk1.8.0_331)

? Apply and Close Cancel

Problems @ Javadoc Console

<terminated> Select [Java Application] C:\Program Files\Java\jdk1.8.0_331\bin\javaw.exe (27-Sep-2022, 9:34:34 pm – 9:34:39 pm) [pid: 21364]

INFO: HHH10001501: Connection obtained from JdbcConnectionAccess [org.hibernate.engine.jdbc.env.internal.JdbcEnvir

Sep 27, 2022 9:34:38 PM org.hibernate.engine.transaction.jta.platform.internal.JtaPlatformInitiator initiateService

INFO: HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaP]

JRE System Library [J2SE-1.5] - DemoHibernate

