Hibernate First Application

1. Model class:-

**package** com.app.model;

**import** javax.persistence.Column;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

@Entity

@Table(name="prodtab")

**public** **class** Product {

@Id

@Column(name="pid")

**private** **int** prodId;

@Column(name="pcode")

**private** String prodCode;

@Column(name="pcost")

**private** **double** prodCost;

**public** Product() {

**super**();

}

**public** **int** getProdId() {

**return** prodId;

}

**public** **void** setProdId(**int** prodId) {

**this**.prodId = prodId;

}

**public** String getProdCode() {

**return** prodCode;

}

**public** **void** setProdCode(String prodCode) {

**this**.prodCode = prodCode;

}

**public** **double** getProdCost() {

**return** prodCost;

}

**public** **void** setProdCost(**double** prodCost) {

**this**.prodCost = prodCost;

}

@Override

**public** String toString() {

**return** "Product [prodId=" + prodId + ", prodCode=" + prodCode + ", prodCost=" + prodCost + "]";

}

}

2. Hibernate Configuration file: hibernate.cfg.xml:-

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!DOCTYPE hibernate-configuration PUBLIC

"-//Hibernate/Hibernate Configuration DTD 3.0//EN"

"http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

<property name=*"hibernate.connection.driver\_class"*> com.mysql.jdbc.Driver </property>

<property name=*"hibernate.connection.url"*> jdbc:mysql://localhost:3306/hib </property>

<property name=*"hibernate.connection.username"*> root</property>

<property name=*"hibernate.connection.password"*> root</property>

<property name=*"hibernate.dialect"*> org.hibernate.dialect.MySQL55Dialect</property>

<property name=*"hibernate.show\_sql"*> true</property>

<property name=*"hibernate.hbm2ddl.auto"*>update</property>

<mapping class=*"com.app.model.Product"*/>

</session-factory>

</hibernate-configuration>

3. Test class:-

**package** com.app.test;

**import** org.hibernate.Session;

**import** org.hibernate.SessionFactory;

**import** org.hibernate.Transaction;

**import** org.hibernate.cfg.Configuration;

**import** com.app.model.Product;

**public** **class** Test {

**public** **static** **void** main(String[] args) {

Configuration cfg=**new** Configuration();

cfg.configure();

SessionFactory sf=cfg.buildSessionFactory();

Session ses=sf.openSession();

Transaction tx=ses.beginTransaction();

//operation--insert

Product p=**new** Product();

p.setProdId(101);

p.setProdCode("PEN");

p.setProdCost(8.66);

ses.save(p);

tx.commit();

ses.close();

}

}

4. pom.xml:-

<dependencies>

<dependency>

<groupId>org.hibernate</groupId>

<artifactId>hibernate-core</artifactId>

<version>5.3.10.Final</version>

</dependency>

<dependency>

<groupId>mysql</groupId>

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

<version>5.1.46</version>

</dependency>

</dependencies>

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-compiler-plugin</artifactId>

<version>3.8.1</version>

<configuration>

<source>1.8</source>

<target>1.8</target>

</configuration>

</plugin>

</plugins>

</build>