**ADDING A NEW PRODUCT IN THE DATABASE (CODE)**

**SOURCE CODE:**

**HIBERNATE CODE:**

<!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>

<!-- JDBC Database connection settings -->

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

<property name="connection.url">jdbc:mysql://localhost:3306/students</property>

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

<property name="connection.password"></property>

<!-- JDBC connection pool settings -->

<property name="connection.pool\_size">1</property>

<!-- SQL dialect -->

<property name="dialect">org.hibernate.dialect.MySQLDialect</property>

<!-- Print sql to stdout -->

<property name="show\_sql">true</property>

<property name="current\_session\_context\_class">thread</property>

</session-factory>

</hibernate-configuration>

**SOURCE CODE:**

package com.deepak.hibernate;

import javax.persistence.Column;

import javax.persistence.GeneratedValue;

import javax.persistence.GenerationType;

import javax.persistence.Id;

import javax.persistence.Table;

@javax.persistence.Entity

@Table(name = "students")

public class students {

public String getname() {

return getname();

}

public void setname(String name ) {

this.name = name;

}

public int gets\_id() {

return s\_id;

}

public void sets\_id(int s\_id) {

this.s\_id = s\_id;

}

public String gets\_course() {

return s\_course;

}

public void sets\_course(String s\_course) {

this.s\_course = s\_course;

}

public int getc\_id() {

return c\_id;

}

public void setc\_id(int c\_id) {

this.c\_id = c\_id;

}

@Id

@Column(name="c\_id")

int c\_id;

@Column(name = "s\_course")

String s\_course;

@Column(name = "s\_id")

int s\_id;

@Column(name="name")

// @GeneratedValue(strategy = GenerationType.IDENTITY)

String name;

public students() {

// TODO Auto-generated constructor stub

}

@Override

public String toString() {

return "Learner [learnerId=" + name + ", learnerName=" + s\_id + ", learnerDomain=" + s\_course+",courseid="+c\_id

+ "]";

}

public students(String name,ints\_id, String s\_course,intc\_id) {

this.name = name;

this.s\_id=s\_id;

this.s\_course=s\_course;

this.c\_id=c\_id;

// this.learnerDomain = learnerDomain;

}

}

package com.deepak.hibernate;

import java.util.List;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.cfg.Configuration;

public class App

{

public static void main( String[] args )

{

// Get the SessionFactory

SessionFactory factory = new Configuration()

.configure("hibernate.cfg.xml")

.addAnnotatedClass(students.class)

.buildSessionFactory();

// Get the Session

Session theSession = factory.getCurrentSession();

try {

// Add a new learner

students theLearner = new students("ch.deepak",109,"devops",1105);

// Start the transaction

theSession.beginTransaction();

// Save the learner

theSession.save(theLearner);

// Commit the transaction

theSession.getTransaction().commit();

System.out.println("new students sucessfully inserted ");

System.out.println("Learner id : " + theLearner.name);

// Learner learner = theSession.get(Learner.class, 2);

//

// System.out.println("Learner details by id : " + learner);

}finally {

factory.close();

}

}

}