**Pojo**

**Classes.java**

package com.learners.pojo;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class Classes {

@Id

int c\_id;

String c\_name;

public int getC\_id() {

return c\_id;

}

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

this.c\_id = c\_id;

}

public String getC\_name() {

return c\_name;

}

public void setC\_name(String c\_name) {

this.c\_name = c\_name;

}

public String toString() {

return "Classes [c\_id=" + c\_id + ", c\_name=" + c\_name + "]";

} }

**Student.java**

package com.learners.pojo;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class Student {

@Id

int stud\_id;

String stud\_name;

String stud\_dob;

String stud\_addr;

String stud\_class;

public int getStud\_id() {

return stud\_id;

}

public void setStud\_id(int stud\_id) {

this.stud\_id = stud\_id;

}

public String getStud\_name() {

return stud\_name;

}

public void setStud\_name(String stud\_name) {

this.stud\_name = stud\_name;

}

public String getStud\_dob() {

return stud\_dob;

}

public void setStud\_dob(String stud\_dob) {

this.stud\_dob = stud\_dob;

}

public String getStud\_addr() {

return stud\_addr;

}

public void setStud\_addr(String stud\_addr) {

this.stud\_addr = stud\_addr;

}

public String getStud\_class() {

return stud\_class;

}

public void setStud\_class(String stud\_class) {

this.stud\_class = stud\_class;

}

@Override

public String toString() {

return "Student [stud\_id=" + stud\_id + ", stud\_name=" + stud\_name + ", stud\_dob=" + stud\_dob + ", stud\_addr="

+ stud\_addr + ", stud\_class=" + stud\_class + "]";

}

}

**Subject.java**

package com.learners.pojo;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class Student {

@Id

int stud\_id;

String stud\_name;

String stud\_dob;

String stud\_addr;

String stud\_class;

public int getStud\_id() {

return stud\_id;

}

public void setStud\_id(int stud\_id) {

this.stud\_id = stud\_id;

}

public String getStud\_name() {

return stud\_name;

}

public void setStud\_name(String stud\_name) {

this.stud\_name = stud\_name;

}

public String getStud\_dob() {

return stud\_dob;

}

public void setStud\_dob(String stud\_dob) {

this.stud\_dob = stud\_dob;

}

public String getStud\_addr() {

return stud\_addr;

}

public void setStud\_addr(String stud\_addr) {

this.stud\_addr = stud\_addr;

}

public String getStud\_class() {

return stud\_class;

}

public void setStud\_class(String stud\_class) {

this.stud\_class = stud\_class;

}

@Override

public String toString() {

return "Student [stud\_id=" + stud\_id + ", stud\_name=" + stud\_name + ", stud\_dob=" + stud\_dob + ", stud\_addr="

+ stud\_addr + ", stud\_class=" + stud\_class + "]";

}

}

**Teacher.java**

package com.learners.pojo;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class Teacher {

@Id

int t\_id;

String t\_name;

String t\_class;

public int getT\_id() {

return t\_id;

}

public void setT\_id(int t\_id) {

this.t\_id = t\_id;

}

public String getT\_name() {

return t\_name;

}

public void setT\_name(String t\_name) {

this.t\_name = t\_name;

}

public String getT\_class() {

return t\_class;

}

public void setT\_class(String t\_class) {

this.t\_class = t\_class;

}

@Override

public String toString() {

return "Teacher [t\_id=" + t\_id + ", t\_name=" + t\_name + "]";

}

}

**DAO**

**ClassDao.java**

package com.learners.dao;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

import org.hibernate.cfg.Configuration;

import com.learners.pojo.Classes;

public class ClassDao {

public String addClass(Classes c) {

Transaction tx = null;

int row=0;

try {

Configuration cfg = new Configuration().configure();

cfg.addAnnotatedClass(com.learners.pojo.Classes.class);

StandardServiceRegistryBuilder builder = new StandardServiceRegistryBuilder().applySettings(cfg.getProperties());

SessionFactory factory = cfg.buildSessionFactory(builder.build());

Session session = factory.openSession();

tx = session.beginTransaction();

row=(Integer)session.save(c);

tx.commit();

session.close();

}catch (Exception e) {

e.printStackTrace();

if(tx!=null) {

tx.rollback();

}

}

if(row>0) return "Class added Succesfully";

else return "Class adding Failed ";

}

}

**StudentDao.java**

package com.learners.dao;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

import org.hibernate.cfg.Configuration;

import com.learners.pojo.Classes;

public class ClassDao {

public String addClass(Classes c) {

Transaction tx = null;

int row=0;

try {

Configuration cfg = new Configuration().configure();

cfg.addAnnotatedClass(com.learners.pojo.Classes.class);

StandardServiceRegistryBuilder builder = new StandardServiceRegistryBuilder().applySettings(cfg.getProperties());

SessionFactory factory = cfg.buildSessionFactory(builder.build());

Session session = factory.openSession();

tx = session.beginTransaction();

row=(Integer)session.save(c);

tx.commit();

session.close();

}catch (Exception e) {

e.printStackTrace();

if(tx!=null) {

tx.rollback();

}

}

if(row>0) return "Class added Succesfully";

else return "Class adding Failed ";

}

}

**SubjectDao.java**

package com.learners.dao;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

import org.hibernate.cfg.Configuration;

import com.learners.pojo.Subject;

public class SubjectDao {

public String addSubject(Subject sub) {

Transaction tx = null;

int row=0;

try {

Configuration cfg = new Configuration().configure();

cfg.addAnnotatedClass(com.learners.pojo.Subject.class);

StandardServiceRegistryBuilder builder = new StandardServiceRegistryBuilder().applySettings(cfg.getProperties());

SessionFactory factory = cfg.buildSessionFactory(builder.build());

Session session = factory.openSession();

tx = session.beginTransaction();

row=(Integer)session.save(sub);

tx.commit();

session.close();

}catch (Exception e) {

e.printStackTrace();

if(tx!=null) {

tx.rollback();

}

}

if(row>0) return "Subject added Succesfully";

else return "Subject adding Failed ";

}

}

**TeacherDao.java**

package com.learners.dao;

import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import org.hibernate.boot.registry.StandardServiceRegistryBuilder;

import org.hibernate.cfg.Configuration;

import com.learners.pojo.Teacher;

public class TeacherDao {

public String addTeacher(Teacher t) {

Transaction tx = null;

int row=0;

try {

Configuration cfg = new Configuration().configure();

cfg.addAnnotatedClass(com.learners.pojo.Teacher.class);

StandardServiceRegistryBuilder builder = new StandardServiceRegistryBuilder().applySettings(cfg.getProperties());

SessionFactory factory = cfg.buildSessionFactory(builder.build());

Session session = factory.openSession();

tx = session.beginTransaction();

row=(Integer)session.save(t);

tx.commit();

session.close();

}catch (Exception e) {

e.printStackTrace();

if(tx!=null) {

tx.rollback();

}

}

if(row>0) return "Teacher added Succesfully";

else return "Teacher adding Failed ";

}

}