Java Persistence API

**Employee.Java**

package employeecrud;

import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="employee")

public class Employee {

@Id

@Column(name="employeeid")

int empid;

String empname;

int empsal;

public int getEmpid() {

return empid;

}

public void setEmpid(int empid) {

this.empid = empid;

}

public String getEmpname() {

return empname;

}

public void setEmpname(String empname) {

this.empname = empname;

}

public int getEmpsal() {

return empsal;

}

public void setEmpsal(int empsal) {

this.empsal = empsal;

}

public Employee() {

// TODO Auto-generated constructor stub

}

public Employee(int empid, String empname, int empsal) {

super();

this.empid = empid;

this.empname = empname;

this.empsal = empsal;

}

@Override

public String toString() {

return "Employee [empid=" + empid + ", empname=" + empname + ", empsal=" + empsal + "]";

}

}

**TEST.java**

**package** employeecrud;

**import** javax.persistence.EntityManager;

**import** javax.persistence.EntityManagerFactory;

**import** javax.persistence.Persistence;

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

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

EntityManagerFactory factory = Persistence.*createEntityManagerFactory*("JPA");

EntityManager entity = factory.createEntityManager();

Employee e1 = **new** Employee(111,"sweety",1000);

Employee e2 = **new** Employee(222,"jain",2000);

entity.getTransaction().begin();

entity.persist(e1);

entity.persist(e2);

//Employee emp=entity.find(Employee.class, 111);

//System.out.println(emp);

// e1.setEmpAdd("maharastra");

// e1.setEmpname("sita");

// e1.setEmpsal(780000);

//entity.merge(e1);

//entity.remove(e1);

entity.getTransaction().commit();

}

}

Persistence.xml

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

<persistence xmlns=*"http://java.sun.com/xml/ns/persistence"*

xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

xsi:schemaLocation=*"http://java.sun.com/xml/ns/persistence*

*http://java.sun.com/xml/ns/persistence/persistence\_2\_0.xsd"*

version=*"2.0"*>

<persistence-unit name=*"JPA"* transaction-type=*"RESOURCE\_LOCAL"*>

<provider>org.hibernate.ejb.HibernatePersistence</provider>

<class>employeecrud.Employee</class>

<properties>

<!-- database properties -->

<property name=*"javax.persistence.jdbc.url"* value=*"jdbc:postgresql://localhost/sweetyj68"* />

<property name=*"javax.persistence.jdbc.user"* value=*"postgres"* />

<property name=*"javax.persistence.jdbc.password"* value=*"Sweety0608@"* />

<property name=*"javax.persistence.jdbc.driver"* value=*"org.postgresql.Driver"* />

<!-- hibernate properties -->

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

<property name=*"hibernate.hbm2ddl.auto"* value=*"create"*/> <!-- create/update -->

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

</properties>

</persistence-unit>

</persistence>

Text

Description automatically generated