Practical No : 09

Title : Study and implement concept of Hibernate framework.

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**Persistent class :**

**package**com.java.mypackage;

**publicclass** Employee {

**privateint** id;

**private** String firstName,lastName;

**publicint**getId() {

**return** id;

}

**publicvoid**setId(**int** id) {

**this**.id = id;

}

**public** String getFirstName() {

**return**firstName;

}

**publicvoid**setFirstName(String firstName) {

**this**.firstName = firstName;

}

**public** String getLastName() {

**return**lastName;

}

**publicvoid**setLastName(String lastName) {

**this**.lastName = lastName;

}

}

**Java class :**

packagecom.java.mypackage;

importorg.hibernate.Session;

importorg.hibernate.SessionFactory;

importorg.hibernate.Transaction;

importorg.hibernate.cfg.Configuration;

public class StoreData {

public static void main(String[] args) {

//creating configuration object

Configuration cfg=new Configuration();

cfg.configure("hibernate.cfg.xml");//populates the data of the configuration file

//creating seession factory object

SessionFactory factory=cfg.buildSessionFactory();

//creating session object

Session session=factory.openSession();

//creating transaction object

Transaction t=session.beginTransaction();

Employee e1=new Employee();

e1.setId(2);

e1.setFirstName("sailee");

e1.setLastName("jadhav");

session.persist(e1);//persisting the object

t.commit();//transaction is committed

session.close();

System.out.println("successfully saved");

}

}

**Configuration file :**

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

<!DOCTYPE hibernate-configuration PUBLIC

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

"http://hibernate.sourceforge.net/hibernate-configuration-3.0.dtd">

<hibernate-configuration>

<session-factory>

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

<property name=*"dialect"*>org.hibernate.dialect.Oracle9Dialect</property>

<property name=*"connection.url"*>jdbc:oracle:thin:@localhost:1521:xe</property>

<property name=*"connection.username"*>system</property>

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

<property name=*"connection.driver\_class"*>oracle.jdbc.driver.OracleDriver</property>

<mapping resource=*"employee.hbm.xml"*/>

</session-factory>

</hibernate-configuration>

**Hibernate file :**

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

<!DOCTYPE hibernate-mapping PUBLIC

"-//Hibernate/Hibernate Mapping DTD 3.0//EN"

"http://hibernate.sourceforge.net/hibernate-mapping-3.0.dtd">

<hibernate-mapping>

<class name=*"com.java.mypackage.Employee"* table=*"employee"*>

<id name=*"id"*>

<generator class=*"assigned"*></generator>

</id>

<property name=*"firstName"*></property>

<property name=*"lastName"*></property>

</class>

</hibernate-mapping>

**Output :**

Before Run :

SQL> select \* From employee;

ID FIRSTNAME LASTNAME

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log4j:WARN No appenders could be found for logger (org.hibernate.cfg.Environment).

log4j:WARN Please initialize the log4j system properly.

Successfully

After Run :

SQL> select \* From employee;

ID FIRSTNAME LASTNAME

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