**HIBERNATE PROJECT**

**NAME:R.JEGADEES**

**ROLLNO:15E314**

**SOLUTION.JAVA**

**package** item;

**import** java.util.\*;

**import** org.hibernate.Session;

**import** org.hibernate.SessionFactory;

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

**import** org.hibernate.query.Query;

**public** **class** Solution {

**private** **static** **int** *kw*;

**private** **static** String *na*;

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

items ob=**new** items();

SessionFactory sf = **new** Configuration().configure().buildSessionFactory();Session session = sf.openSession();

**int** c=1;

**while**(c==1) {

System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*BASIC THREAD OPERATION\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.***out***.println("1.INSERT 2.UPDATE 3.DELETE 4.VIEW");

System.***out***.println("ENTER YOUR CHOICE:");

Scanner obj=**new** Scanner(System.***in***);

**int** choice = obj.nextInt();

**if**(choice==1) {

System.***out***.println("ENTER THE PRODUCT NAME:");

String name=obj.next();

System.***out***.println("ENTER THE QUANTITY:");

**int** quantity=obj.nextInt();

items ob1=**new** items();

ob1.setName(name);

ob1.setQuantity(quantity);

session.beginTransaction();

session.save(ob1);

session.getTransaction().commit();

}

**else** **if**(choice==2) {

System.***out***.println("ENTER THE PRODUCT ID:");

**int** k = obj.nextInt();

System.***out***.println("WHAT YOU WANT TO UPDATE 1.NAME 2.QUANTITY");

**int** choi=obj.nextInt();

**if**(choi==1) {

System.***out***.println("ENTER THE PRODUCT NAME:");

String nas = obj.next();

session.beginTransaction();

Query query=session.createQuery("update items set name=:na where Id=:k");

query.setParameter("na",nas);

query.setParameter("k",k);

query.executeUpdate();

session.getTransaction().commit();

}

**else** {

System.***out***.println("ENTER THE PRODUCT QUANTITY:");

**int** nas = obj.nextInt();

session.beginTransaction();

Query query=session.createQuery("update items set quantity=:na where Id=:k");

query.setParameter("na",nas);

query.setParameter("k",k);

query.executeUpdate();

session.getTransaction().commit();

}

}

**else** **if**(choice==3) {

System.***out***.println("ENTER THE PRODUCT Id:");

**int** a= obj.nextInt();

session.beginTransaction();

Query query=session.createQuery("delete from items where Id="+"'a'");

query.executeUpdate();

session.getTransaction().commit();

}

**else** **if**(choice==4) {

session.beginTransaction();

Query query=session.createQuery("from items");

List<items> it=query.getResultList();

**for**(items each:it)

{

System.***out***.println(each.getId()+" "+each.getName()+" "+each.getQuantity());

}

session.getTransaction().commit();

}

System.***out***.println("ENTER 1 TO CONTINUE:");

c=obj.nextInt();

}

session.close();

}

}

**ITEMS.JAVA**

**package** item;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.SequenceGenerator;

**import** javax.persistence.Id;

@Entity

**public** **class** items {

@Id

@GeneratedValue

**private** Integer Id;

**private** String name;

**private** Integer quantity;

**public** Integer getQuantity() {

**return** quantity;

}

**public** **void** setQuantity(Integer quantity) {

**this**.quantity = quantity;

}

**public** **int** getId() {

**return** Id;

}

**public** String getName() {

**return** name;

}

**public** **void** setId(Integer id) {

Id = id;

}

**public** **void** setName(String name) {

**this**.name = name;

}}