

# HIBERNATE PROJECT

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## 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();
```

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        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;
    }
}}
```

