

## 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 String things ;
    private static int k;
    public static void main(String[] args) {
        Items item=new Items();
        SessionFactory sf = new
        Configuration().configure().buildSessionFactory();
        Session session = sf.openSession();
        int ch=1;
        while(ch==1) {
            System.out.println("1.INSERT    2.UPDATE    3.DELETE
4.VIEW");

            Scanner obj=new Scanner(System.in);
            int choice = obj.nextInt();
            if(choice==1) {
                System.out.println("ENTER THE P_NAME:");
                String name = obj.next();
                System.out.println("QUANTITY:");
                int quantity = obj.nextInt();
                Items item1= new Items();
                item1.setName(name);
                item1.setQuantity(quantity);
                session.beginTransaction();
                session.save(item1);
                session.getTransaction().commit();
            }
            else if(choice==2) {
                int quantity1 = obj.nextInt();
                int cho1=obj.nextInt();
                if(cho1==1) {
                    String num = obj.next();
                    session.beginTransaction();
```

```

        Query query=session.createQuery("update items
set name=:things where Id=:k");
        query.setParameter("things", num);
        query.setParameter("k", k);
        query.executeUpdate();
        session.getTransaction().commit();
    }
    else {
        int num1 = obj.nextInt();
        session.beginTransaction();
        Query query=session.createQuery("update items
set quantity=:things where Id=:k");
        query.setParameter("things",num1);
        query.setParameter("k",k);
        query.executeUpdate();
        session.getTransaction().commit();
    }
    else if(choice==3) {
        System.out.println("ENTER THE P_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();
    }
    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;
    }
```