Adding a New Product in the Database.---->>>Codes.

Index.jsp

```jsp
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Insert title here</title>
</head>
<body>

<center>

<h1>Add New Product in Database</h1>

<form action="insert" method="post">
```

```html
Product ID <input type="text" name="id" required> <br> <br>

Product Name <input type="text" name="pname" required> <br>
<br>

Product Price <input type="text" name="price" required> <br>
<br>

<input type="submit" value = "Add Product">


</form>


</center>

</body>

</html>
```

Config.java

```java
package com.product.dao;


import org.hibernate.SessionFactory;

import org.hibernate.boot.Metadata;

import org.hibernate.boot.MetadataSources;

import org.hibernate.boot.registry.StandardServiceRegistry;
```

```java
import
org.hibernate.boot.registry.StandardServiceRegistryBuilder;


public class Config {



    public static SessionFactory hibConfig() {

        StandardServiceRegistry ssr=new
StandardServiceRegistryBuilder().configure("hibernate.cfg.xm
l").build();

        //Metadata in the config file should be executed


        Metadata md=new
MetadataSources(ssr).getMetadataBuilder().build();

        //go to session factory and execute the meta data

        SessionFactory
sf=md.getSessionFactoryBuilder().build();

        return sf;

    }



}
```

insert.java

```java
package com.product.dao;


import java.io.IOException;

import java.io.PrintWriter;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.SQLException;


import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


import
net.bytebuddy.dynamic.scaffold.MethodRegistry.Prepared;


/**
 * Servlet implementation class insert
 */
public class insert extends HttpServlet {
    private static final long serialVersionUID = 1L;
```

```java
    /**
     * @see HttpServlet#HttpServlet()
     */
    public insert() {
        super();
        // TODO Auto-generated constructor stub
    }


    /**
     * @see HttpServlet#doGet(HttpServletRequest request,
HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {
        // TODO Auto-generated method stub
        response.getWriter().append("Served at:
").append(request.getContextPath());
    }


    /**
     * @see HttpServlet#doPost(HttpServletRequest request,
HttpServletResponse response)
     */
```

```java
    protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws ServletException,
IOException {

        // TODO Auto-generated method stub


        try {

            Connection con = DbUtil.getConn();


            PrintWriter pw = response.getWriter();


            String id= request.getParameter("id");


            String pname= request.getParameter("pname");


            String price = request.getParameter("price");


            String sql = "insert into product10
values(?,?,?) ";


            PreparedStatement ps =
con.prepareStatement(sql);


            ps.setString(1, id);
```

```java
            ps.setString(2, pname);

            ps.setString(3, price);

            int r = ps.executeUpdate();

            if(r>0)
            {
                pw.println("Inserted");
            }

            else
            {
                pw.println("not inserted");
            }

        } catch (ClassNotFoundException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        } catch (SQLException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
```

}

        }

}

ProductDAO


```java
package com.product.dao;


import java.util.List;


import org.hibernate.Session;

import org.hibernate.SessionFactory;

import org.hibernate.Transaction;

import org.hibernate.query.Query;
```

```java
import com.product.pojo.Productpojo;

public class ProductDAO {

    public int insert(Productpojo e) {
        SessionFactory sf=Config.hibConfig();
        Session s=sf.openSession();
        Transaction t=s.beginTransaction();
        int r=(int) s.save(e);
        t.commit();
        s.close();
        sf.close();
        return r;
    }
}
```

Productpojo

```java
package com.product.pojo;
```

```java
import javax.persistence.Column;

import javax.persistence.Entity;

import javax.persistence.Id;


@Entity
public class Productpojo {


    @Id
    public String id;


    @Column
    public String pname;


    @Column
    public String price;


    public String getId() {
        return id;
    }


    public void setId(String id) {
```

```java
        this.id = id;

    }


    public String getPname() {

        return pname;

    }


    public void setPname(String pname) {

        this.pname = pname;

    }


    public String getPrice() {

        return price;

    }


    public void setPrice(String price) {

        this.price = price;

    }


    @Override

    public String toString() {

        return "Productpojo [id=" + id + ", pname=" + pname
 + ", price=" + price + ", getId()=" + getId()
```

```java
				+ ", getPname()=" + getPname() + ",
getPrice()=" + getPrice() + ", getClass()=" + getClass()

				+ ", hashCode()=" + hashCode() + ",
toString()=" + super.toString() + "]";

	}



}
```

Name :- Vishnu Avtar