

ScreenShots :-

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert</title>
<style>
.c1{
font-size:30px;
color:purple;
text-align:center;
}
</style>
</head>
<body bgcolor="#F7C0AE">
<br>
<h1 font-color="red"><center>Add Your Products in Database</center></h1> <br>
<form action="InsertServlet" method="post" class="c1">
Student ID    &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; &nbsp; <input type="text" name="ProductID" style="font-size:20px;"><br> <br>
Student Name &nbsp; &nbsp; &nbsp; &nbsp; <input type="text" name="ProductName" style="font-size:20px;"><br> <br>
Student Email &nbsp; &nbsp; &nbsp; &nbsp; <input type="text" name="ProductPRICE" style="font-size:20px;"><br> <br>

</form>
</body>
</html>
```

=====

Retrieve.html

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="UTF-8">
5 <title>Retrieve</title>
6 <style>
7 .c1{
8   font-size:30px;
9   color:purple;
10
11   text-align: center;
12 }
13 </style>
14 </head>
15 <body bgcolor="#F7C0AE">
16 <form action="Retrive" method="GET">
17 <center>
18 <table class="c1">
19 <tr>
20 <td>Enter Product id</td>
21 <td><input type="text" name="ProductID" style="font-size:20px;"></td>
22 <td><input type="submit" value = "Search" style="font-size:20px;"></td>
23 </tr>
24 </table>
25 </center>
26 </form>
27 </body>
```

=====

Success.html

```
Retrive.java  retrieve.html  InsertServL...  index.html  Product20.java  DbUtil.java  ProductDAO.java  Success.html  Fail.html  »1
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <meta charset="ISO-8859-1">
5  <title>Success</title>
6  </head>
7  <body bgcolor="#F7C0AE">
8
9  <center>
10 <h1>Inserted successfully</h1>
11
12 <form action="" method="post">
13 <a href="retrieve.html">Click to...View Your Record</a>
14
15 </center>
16 </form>
17 </body>
18 </html>
19 |
```

=====

Fail.html

```
Retrive.java retrieve.html InsertServl... index.html Product20.java DbUtil.java ProductDAO.java Success.html Fail.html »1
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="ISO-8859-1">
5 <title>fail</title>
6 </head>
7 <body bgcolor="#F7C0AE">
8 <center>
9 <h1>Insertion failed...Try Again...</h1>
10 </center>
11 </body>
12 </html>
13
```

=====

DbUtil

```
Retrive.java retrieve.html index.html Product20.java DbUtil.java » ProductDAO.java Success.html Fail.html »2
1 import java.sql.Connection;
4
5 public class DbUtil {
6     final static String DRIVER_CLASS="com.mysql.jdbc.Driver";
7     final static String DB_URL="jdbc:mysql://localhost:3306/vishnu";
8     final static String USER_NAME="root";
9     final static String PASSWORD="kali";
10
11 public static Connection getConn() throws ClassNotFoundException, SQLException {
12     Class.forName(DRIVER_CLASS);
13     Connection con=DriverManager.getConnection(DB_URL,USER_NAME,PASSWORD);
14     return con;
15 }
16
17 }
18
```

InsertServlet

```
Retrive.java  retrieve.html  InsertServ...  index.html  Product20.java  DbUtil.java  ProductDAO.java  Success.html  Fail.html  »  
9  
10 import java.io.IOException;  
11  
12 /**  
13  * Servlet implementation class InsertServlet  
14  */  
15 public class InsertServlet extends HttpServlet {  
16     private static final long serialVersionUID = 1L;  
17  
18     /**  
19      * @see HttpServlet#HttpServlet()  
20      */  
21     public InsertServlet() {  
22         super();  
23         // TODO Auto-generated constructor stub  
24     }  
25  
26     /**  
27      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)  
28      */  
29     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {  
30  
31  
32  
33  
34  
35  
36  
37  
38     }  
39  
40     /**  
41      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)  
42      */  
43     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws IOException {  
44  
45         PrintWriter pw=response.getWriter();  
46         Product20 s=new Product20();  
47         s.setProductID(request.getParameter("ProductID"));  
48         s.setProductNAME(request.getParameter("ProductNAME"));  
49         s.setProductPRICE(request.getParameter("ProductPRICE"));  
50         ProductDAO dao=new ProductDAO();  
51         try {  
52             int row=dao.insertstudent(s);  
53             if(row>0) {  
54                 response.sendRedirect("Success.html");  
55                 //pw.println("Inserted");  
56             }  
57             else{  
58                 response.sendRedirect("fail.html");  
59                 //pw.println("Not Inserted");  
60             }  
61         } catch (ClassNotFoundException | SQLException e) {  
62             // TODO Auto-generated catch block  
63             e.printStackTrace();  
64         }  
65     }  
66 }
```

Product20

```
Retrive.java  retrieve.html  InsertServl...  index.html  Product20.java  DbUtil.java  Success.html  Fail.html  »2
1 public class Product20 {
2     private String ProductID;
3     private String ProductNAME;
4     private String ProductPRICE;
5     public String getProductID() {
6         return ProductID;
7     }
8     public void setProductID(String productID) {
9         ProductID = productID;
10    }
11    public String getProductNAME() {
12        return ProductNAME;
13    }
14    public void setProductNAME(String productNAME) {
15        ProductNAME = productNAME;
16    }
17    public String getProductPRICE() {
18        return ProductPRICE;
19    }
20    public void setProductPRICE(String productPRICE) {
21        ProductPRICE = productPRICE;
22    }
23 }
24 }
25 }
```

=====

ProductDAO

```
10 import java.io.PrintWriter;
11
12 public class ProductDAO {
13     public int insertstudent(Product20 s) throws ClassNotFoundException, SQLException {
14         Connection con=DbUtil.getConn();
15         String sql="insert into Product20 values(?,?,?)";
16         PreparedStatement ps=con.prepareStatement(sql);
17         ps.setString(1,s.getProductID());
18         ps.setString(2,s.getProductNAME());
19         ps.setString(3,s.getProductPRICE());
20         return ps.executeUpdate();
21     }
22     public List<Product20> getallstudents() throws ClassNotFoundException, SQLException{
23         ArrayList<Product20> list=new ArrayList<>();
24         Connection con=DbUtil.getConn();
25         String sql="Select name from Product20 where ProductID='"+ProductID+"'";
26         PreparedStatement ps=con.prepareStatement(sql);
27         ResultSet rs=ps.executeQuery();
28         Product20 s=new Product20();
29         s.setProductID(rs.getString(1));
30         while(rs.next()) {
31             Product20 s=new Product20();
32             s.setProductID(rs.getString(1));
33             s.setProductNAME(rs.getString(2));
34             s.setProductPRICE(rs.getString(3));
35             list.add(s);
36         }
37         return list;
38     }
39 }
```

=====

Retrive

```
Retrive.java  retrieve.html  InsertServl...  Product20.java  DbUtil.java  ProductDAO.java  Success.html  Fail.html  »_2
1
2
3 *import java.io.IOException;
16
17
18
19 /**
20  * Servlet implementation class Retrive
21  */
22 public class Retrive extends HttpServlet {
23     private static final long serialVersionUID = 1L;
24
25     /**
26      * @see HttpServlet#HttpServlet()
27      */
28     public Retrive() {
29         super();
30         // TODO Auto-generated constructor stub
31     }
32
33     /**
34      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
35      */
36     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOEx
37         // TODO Auto-generated method stub
38
39         PrintWriter pw = response.getWriter();
40
41         String ProductID = request.getParameter("ProductID");
42
43         pw.println("<h1>Your Records</h1>");
44
45         pw.print("<table border='1'> <tr><th><id>ProductID</th><th>ProductNAME</th><th>ProductPRICE</th>");
46
47         try {
48             Class.forName("com.mysql.jdbc.Driver");
49
50             Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/vishnu","root","kali");
51
52             //Connection con=DbUtil.getConn();
53             //ProductDAO dao=new ProductDAO();
54
55             Statement st = con.createStatement();
56
57
58
--
```



```

58
59     ResultSet rs = st.executeQuery("select * from Product20 where ProductID =" +ProductID+"");
60
61
62     while(rs.next())
63     {
64         pw.print("<tr><td>");
65         pw.print(rs.getString(1));
66         pw.print("</td>");
67         pw.print("<td>");
68         pw.print(rs.getString(2));
69         pw.print("</td>");
70         pw.print("<td>");
71         pw.print(rs.getString(3));
72         pw.print("</td>");
73         pw.print("</tr>");
74     }
75 } catch (ClassNotFoundException e) {
76     // TODO Auto-generated catch block
77     e.printStackTrace();
78 } catch (SQLException e) {
79     // TODO Auto-generated catch block
80     e.printStackTrace();
81
82     pw.print("</table>");
83 }
84

```

Database code :-

```

31 • create database vishnu;
32 • use vishnu;
33 • select * from Product20;
34
35 • create table Product20(ProductID varchar(10) primary key , ProductNAME varchar(30), ProductPRICE varchar(10));

```

OutPut Of The Program

localhost:8080/PracticeSubmit2/index.html

Add Your Products in Database

Student ID

Student Name

Student Email

localhost:8080/PracticeSubmit2/index.html

Add Your Products in Database

Student ID

Student Name

Student Email

localhost:8080/PracticeSubmit2/retrieve.html

Enter Product id

Your Records

| ProductID | ProductNAME | ProductPRICE |
|-----------|-------------|--------------|
| 12 | Computer | 100000 |

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