

Retrieving the Product Details Using the Product ID.

All Codes

HTML CODES :-

Index.html

```
<!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">
```

```
<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; <input type="text"  
name="ProductID" style="font-size:20px;"><br> <br>
```

```
Student Name &nbsp; &nbsp; <input type="text"  
name="ProductNAME" style="font-size:20px;"><br> <br>
```

```
Student Email &nbsp; &nbsp; <input type="text"  
name="ProductPRICE" style="font-size:20px;"><br> <br>
```

```
<input type="submit" style="font-size:20px; width:500px;">
```

```
</form>
```

```
</body>
```

```
</html>
```

```
=====
```

Retrieve.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Retrieve</title>
<style>
.c1{
    font-size:30px;
    color:purple;

    text-align: center;
}
</style>
</head>
<body bgcolor="#F7C0AE">
<form action="Retrive" method="GET">

<center>
<table class="c1">
```

```
<tr>
<td>Enter Product id</td>
<td><input type="text" name="ProductID" style="font-
size:20px;"></td>
<td><input type="submit" value ="Search" style="font-
size:20px;"></td>
</tr>

</table>
</center>
</form>
</body>
</html>
```

=====

Success.html

```
<!DOCTYPE html>

<html>

<head>

<meta charset="ISO-8859-1">

<title>Success</title>

</head>

<body bgcolor="#F7C0AE">


<center>

<h1>Inserted successfully</h1>


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

<a href="retrieve.html">Click to...View Your Record</a>


</center>

</form>

</body>

</html>
```

=====

Fail.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>fail</title>
</head>
<body bgcolor="#F7C0AE">
<center>
<h1>Insertion failed...Try Again... </h1>
</center>
</body>
</html>
```

=====

DbUtil

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
import java.sql.SQLException;
```

```
public class DbUtil {
```

```
    final static String  
    DRIVER_CLASS="com.mysql.jdbc.Driver";
```

```
    final static String  
    DB_URL="jdbc:mysql://localhost:3306/vishnu";
```

```
    final static String USER_NAME="root";
```

```
    final static String PASSWORD="kali";
```

```
    public static Connection getConn() throws  
    ClassNotFoundException, SQLException {
```

```
        Class.forName(DRIVER_CLASS);
```

```
        Connection  
        con=DriverManager.getConnection(DB_URL,USER_NAME,PASSWORD);
```

```
        return con;
```

```
    }
```

```
}
```

InsertServlet

```
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.SQLException;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

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



```

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

/**
 * @see HttpServlet#doGet(HttpServletRequest request,
HttpServletRequest response)
 */
protected void doGet(HttpServletRequest request,
HttpServletRequest response) throws ServletException,
IOException {

}

/**
 * @throws IOException
 * @see HttpServlet#doPost(HttpServletRequest request,
HttpServletRequest response)
 */

```

*protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws IOException {*

PrintWriter pw=response.getWriter();

Product20 s=new Product20();

s.setProductID(request.getParameter("ProductID"));

s.setProductNAME(request.getParameter("ProductNAME"));

s.setProductPRICE(request.getParameter("ProductPRICE"));

ProductDAO dao=new ProductDAO();

try {

int row=dao.insertstudent(s);

if(row>0) {

response.sendRedirect("Success.html");

//pw.println("Inserted");

}

else{

response.sendRedirect("fail.html");

//pw.println("Not Inserted");

}

} catch (ClassNotFoundException | SQLException e) {

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

```
}
```

=====

Product20

```
public class Product20 {  
    private String ProductID;  
    private String ProductNAME;  
    private String ProductPRICE;  
    public String getProductID() {
```

```
        return ProductID;
    }

    public void setProductID(String productID) {
        ProductID = productID;
    }

    public String getProductNAME() {
        return ProductNAME;
    }

    public void setProductNAME(String productNAME) {
        ProductNAME = productNAME;
    }

    public String getProductPRICE() {
        return ProductPRICE;
    }

    public void setProductPRICE(String productPRICE) {
        ProductPRICE = productPRICE;
    }

}
```

=====

ProductDAO

```
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.ArrayList;
import java.util.List;

import
javax.security.auth.message.callback.PrivateKeyCallback.Requ
est;

import javax.xml.ws.Response;

public class ProductDAO {

    public int insertstudent(Product20 s) throws
ClassNotFoundException, SQLException {
```

```

        Connection con=DbUtil.getConn();
        String sql="insert into Product20 values(?,?,?)";
        PreparedStatement ps=con.prepareStatement(sql);
        ps.setString(1,s.getProductID());
        ps.setString(2,s.getProductNAME());
        ps.setString(3,s.getProductPRICE());
        return ps.executeUpdate();
    }

```

```

    public List<Product20> getallstudents() throws
    ClassNotFoundException, SQLException{
        ArrayList<Product20> list=new ArrayList<>();
        Connection con=DbUtil.getConn();
        String sql="Select name from Product20 where
        ProductID='"+ProductID+"'";
        PreparedStatement ps=con.prepareStatement(sql);
        ResultSet rs=ps.executeQuery();
        Product20 s=new Product20();
        s.setProductID(rs.getString(1));
        // while(rs.next()) {
        //         Product20 s=new Product20();
        //         s.setProductID(rs.getString(1));

```

```
//          s.setProductNAME(rs.getString(2));  
//          s.setProductPRICE(rs.getString(3));  
//          list.add(s);  
//  
//      }  
      return list;  
  }  
  
}
```

=====

Retrive

```
import java.io.IOException;
```

```
import java.io.PrintWriter;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
import java.sql.ResultSet;
```

```
import java.sql.SQLException;
```

```
import java.sql.Statement;
```

```
import javax.servlet.ServletException;
```

```
import javax.servlet.http.HttpServlet;
```

```
import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;
```

```
/**
```

```
 * Servlet implementation class Retrive
```

```
 */
```

```
public class Retrive extends HttpServlet {
```

```
    private static final long serialVersionUID = 1L;
```

```
    /**
```

```
     * @see HttpServlet#HttpServlet()
```

```
     */
```



```

    public Retrive() {

        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


        PrintWriter pw = response.getWriter();


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


        pw.println("<h1>Your Records</h1>");


        pw.print("<table border='1'>
        <tr><th><id>ProductID</th><th>ProductNAME</th><th>ProductPRI
        CE</th>");

```

```
try {
```

```
Class.forName("com.mysql.jdbc.Driver");
```

```
Connection
```

```
con=DriverManager.getConnection("jdbc:mysql://localhost:3306  
/vishnu","root","kali");
```

```
//Connection con=DbUtil.getConn();
```

```
//ProductDAO dao=new ProductDAO();
```

```
Statement st = con.createStatement();
```

```
ResultSet rs = st.executeQuery("select * from  
Product20 where ProductID =" +ProductID+"");
```

```
while(rs.next())
```

```
{
```

```
pw.print("<tr><td>");
```

```
pw.print(rs.getString(1));
```

```
pw.print("</td>");
```

```
pw.print("<td>");
```

```
pw.print(rs.getString(2));
```

```
pw.print("</td>");
```

```
pw.print("<td>");
```

```
pw.print(rs.getString(3));
```

```
pw.print("</td>");
```

```
pw.print("</tr>");
```

```
}
```

```
} catch (ClassNotFoundException e) {
```

```
// TODO Auto-generated catch block
```

```
e.printStackTrace();
```

```
} catch (SQLException e) {
```

```
// TODO Auto-generated catch block
```

```
e.printStackTrace();
```

```
pw.print("</table>");
```

```
}
```

```

    }
}

```

```

/**
 * @see HttpServlet#doPost(HttpServletRequest request,
 * HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request,
    HttpServletResponse response) throws ServletException,
    IOException {

    // TODO Auto-generated method stub
    doGet(request, response);
}

}

```

```
=====
```

Database code :-

```
create database vishnu;
```

```
use vishnu;
```

```
create table Product20(ProductID varchar(10) primary key ,  
ProductNAME varchar(30), ProductPRICE varchar(10));
```

```
select * from Product20;
```



OutPut Of The Program

← → ↻ ⓘ localhost:8080/PracticeSubmit2/index.html ⌵ ☆ ⚙ □ V ⋮

Add Your Products in Database

Student ID

Student Name

Student Email

← → ↻ ⓘ localhost:8080/PracticeSubmit2/retrieve.html ⌵ ☆ ⚙ □ V ⋮

Enter Product id

← → ↻ ⓘ localhost:8080/PracticeSubmit2/Retrive?ProductID=12

Your Records

ProductID	ProductNAME	ProductPRICE
12	Computer	100000

Name :- Vishnu Avtar