

Retrieving the Product Details Using the Product ID

Source Code:

Index.html:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>

<form align="center" action="ProductDetails" >
Enter Product ID : <input type="text" name="id"><br>
</form>


</body>
</html>
```

DBconnection.java:

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

public class DBconnection
{
    public static void main(String args[])
    {
        public static void
        {
            try
            {
                DBconnection.dbConn();
            }
            catch(ClassNotFoundException e)
            {
                e.printStackTrace();
            }
            catch (SQLException e)
            {
                e.printStackTrace();
            }
        }

        public static Connection dbConn() throws ClassNotFoundException,
        SQLException
        {
            Class.forName("com.mysql.jdbc.Driver");
            Connection conn
            =DriverManager.getConnection("jdbc:mysql://localhost:3306/db_world","root",
            "ramani44");
            System.out.println("Connection Sucessfull");
            return conn;
        }
    }
}
```

ProductDetails:

```
package practice.programs;

public class ProductDetails
{
    int Id;
    String Name;
    float Price;
    public int getId() {
        return Id;
    }
    public void setId(int id)
    {
        this.Id = id;
    }
    public String getName()
    {
        return Name;
    }
    public void setName(String name)
    {
        this.Name = name;
    }
    public float getPrice()
    {
        return Price;
    }
    public void setPrice(float price)
    {
        Price = price;
    }
}
```

ProductServlet:

```
package practice.programs;

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;

import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet("/ProductDetails")
public class ProductServlet extends HttpServlet
{
    private static final long serialVersionUID = 1L;

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse
resp) throws ServletException, IOException
    {
        PrintWriter pw=resp.getWriter();
    }
}
```

```

ProductDetails pd=new ProductDetails();
pd.setId(Integer.parseInt(req.getParameter("id")));
pw.println("<html><body>");
resp.setContentType("text/html");

    try
    {
        Connection conn =DBconnection.dbConn();
        String sql="select * from Product where id=?";
        PreparedStatement ps=conn.prepareStatement(sql);
        ps.setInt(1,pd.getId());
        ResultSet rs=ps.executeQuery();
        RequestDispatcher
rd=req.getRequestDispatcher("index.html");
        rd.include(req, resp);

        pw.println("<center><table border=1 width=14%
height=10%>");
        pw.println("<tr><th>Product Id</th><th>Product
Name</th><th>Price</th>");
        while(rs.next())
        {
            pw.println("<tr><td>" + rs.getInt(1)+ "</td><td>" +
rs.getString(2) + "</td><td>" + rs.getInt(3)+ "</td></tr></center>");
        }
        pw.println("</table>");
        pw.println("</html></body>");
    }

    catch (SQLException e)
    {
        e.printStackTrace();
    }
    catch (ClassNotFoundException e)
    {
        e.printStackTrace();
    }
}

}

```

Web.XML:

```

<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd" id="WebApp_ID"
version="4.0">
    <display-name>Productretrive</display-name>
    <welcome-file-list>
        <welcome-file>index.html</welcome-file>
        <welcome-file>index.jsp</welcome-file>
        <welcome-file>index.htm</welcome-file>
        <welcome-file>default.html</welcome-file>
        <welcome-file>default.jsp</welcome-file>
        <welcome-file>default.htm</welcome-file>
    </welcome-file-list>
</web-app>

```