Dt : 6/6/2022

(d)Hidden form fields:

=>The process of declaring <input type="hidden"...> in <form> tag of HTML is

known as 'Hidden form field'.

=>The data which is available in hidden form filds are not visible to the

end user.

=>In Session tracking process we can also take the support hidden form fields

to transfer the information from one Servlet program to another Servlet program.

syntax:

<form action="url-pattern"...>

<input type="hidden" value="alex" name="n">

...

</form>

Ex_program:

DBConnection.java

```java
package test;
import java.sql.*;
public class DBConnection {
    private static Connection con=null;//reference variable
    private DBConnection() {}
    static
    {
     try {
         Class.forName("oracle.jdbc.driver.OracleDriver");
         con = DriverManager.getConnection

("jdbc:oracle:thin:@localhost:1521:xe","system","manager");
     }catch(Exception e) {e.printStackTrace();}
    }
```

```java
    public static Connection getCon()
    {
     return con;
    }
}
```

RetrieveDAO.java

package test;

import java.sql.*;

import javax.servlet.http.*;

public class RetrieveDAO {

 public ProductBean pb=null;

 ProductBean retrieve(HttpServletRequest req)

 {

        try {

                Connection con = DBConnection.getCon();

                        //Accessing the Connection

                PreparedStatement ps = con.prepareStatement

                ("select * from Product45 where pcode=?");

                ps.setString(1,req.getParameter("pcode"));

                ResultSet rs = ps.executeQuery();

                while(rs.next())

                {

                        pb = new ProductBean();

                        pb.setCode(rs.getString(1));

                        pb.setName(rs.getString(2));

                        pb.setPrice(rs.getFloat(3));

```java
                    pb.setQty(rs.getInt(4));

            }//end of loop

        }catch(Exception e) {e.printStackTrace();}

        return pb;

    }

}
```

ProductBean.java

```java
package test;
import java.io.*;
@SuppressWarnings("serial")
public class ProductBean implements Serializable{
    private String code,name;
    private float price;
    private int qty;
    public ProductBean() {}
public String getCode() {
        return code;
}
public void setCode(String code) {
        this.code = code;
}
public String getName() {
        return name;
}
public void setName(String name) {
        this.name = name;
}
public float getPrice() {
        return price;
}
public void setPrice(float price) {
        this.price = price;
}
public int getQty() {
        return qty;
}
public void setQty(int qty) {
        this.qty = qty;
}
```

```
        }
```

input.html

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
 <form action="first" method="post">
 Enter the ProdCode:<input type="text" name="pcode"><br>
 <input type="submit" value="RetrieveProduct">
 </form>
</body>
</html>
```

FirstServlet.java

```java
package test;

import java.io.*;

import javax.servlet.*;

import javax.servlet.http.*;

import javax.servlet.annotation.*;

@SuppressWarnings("serial")

@WebServlet("/first")

public class FirstServlet extends HttpServlet{

  protected void doPost(HttpServletRequest req,HttpServletResponse res)

  throws ServletException,IOException{

        PrintWriter pw = res.getWriter();

        res.setContentType("text/html");

        ProductBean pb = new RetrieveDAO().retrieve(req);

        if(pb==null) {
```

```java
                    pw.println("Invalid ProductCode...<br>");

                RequestDispatcher rd=

                        req.getRequestDispatcher("input.html");

                rd.include(req, res);

        }else {

            pw.println("<form action='second' method='GET'>");

            pw.println

            ("<input type='hidden' value='"+pb.getCode()+"' name='code'>");

            pw.println

            ("<input type='hidden' value='"+pb.getName()+"' name='name'>");

            pw.println

            ("<input type='hidden' value='"+pb.getPrice()+"' name='price'>");

            pw.println

            ("<input type='hidden' value='"+pb.getQty()+"' name='qty'>");

            pw.println

            ("<input type='submit' value='ViewProductDetails'>");

            pw.println("</form>");

        }

    }

}
```

SecondServlet.java

```java
package test;

import java.io.*;

import javax.servlet.*;
```

```java
import javax.servlet.http.*;

import javax.servlet.annotation.*;

@SuppressWarnings("serial")

@WebServlet("/second")

public class SecondServlet extends HttpServlet{

  protected void doGet(HttpServletRequest req,HttpServletResponse res)

  throws ServletException,IOException{

        PrintWriter pw = res.getWriter();

        res.setContentType("text/html");

        pw.println("====ProductDetails====");

        pw.println("<br>PCode:"+req.getParameter("code"));

        pw.println("<br>PName:"+req.getParameter("name"));

        pw.println("<br>PPrice:"+req.getParameter("price"));

        pw.println("<br>PQty:"+req.getParameter("qty"));

 }

}
```

web.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app>
    <welcome-file-list>
        <welcome-file>input.html</welcome-file>
    </welcome-file-list>
</web-app>
```

===

Assignment:

Construct Servlet Application to send Book details from one Servlet program to

another Servlet program using 'Hidden Form fields'

==