

Assignment - 2

```
① import
    javax.servlet.ServletException;
    import
    javax.servlet.annotation.WebServlet;
    import
    javax.servlet.http.HttpServlet;
    import
    javax.servlet.http.HttpServletRequest;
    import
    javax.servlet.http.HttpServletResponse;
    import
    java.io.IOException;
    import
    java.io.PrintWriter;
    public class TrackSessionServlet extends
        HttpServlet {
```

```
    @Override
    protected void
```

```
doGet (HttpServletRequest request,
        HttpServletResponse response)
```

```
throws IOException,
```

```
IOException {
```

2) Scenario using JSTL

In a web application, you have a requirement to display a list of products with varying categories. The product list needs to be dynamically categorized into separate sections on a webpage.

Solution using JSP

```
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import java.io.IOException;
import java.util.List;
import java.util.Map;
import java.util.HashMap;

public class ProductListServlet extends HttpServlet {

    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

        Product ("Laptop", "Electronics", 1000, true);
        new Product ("shirt", "clothing", 30, true);
        new Product ("washing Machine", "Home Appliances", false);
        Product ("shirt", "clothing", 30, true);
    }

    ProductList.jsp).forward request, response
}
}
```

Output:-

<Laptop - \$1000 - Available

<clothy> shirt - \$ 30 - Available.

<Home appliances> washing machine - \$ out of stock

3) To achieve this setup the 'HTML page' add Javascript for Automatic Refresh and confirm Dialog.

HTML and JavaScript code:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport"
```

```
content="width=device-width, initial-  
scale=1.0">
```

```
<title> Stock market Quote </title>
```

```
<script>
```

```
var userResponse; confirm("The page will  
refresh in 20 seconds. Do you need more time?");
```

```
if (!userResponse) {
```

```
    window.location.reload(1);
```

```
    if else {
```

```
        Settle but (refresh page, 20000);
```

```
    }
```

```
}, 20000);
```

```
window.location.reload(1);
```

```
4, refreshInterval);
```

```
<h1> Stock market Quote </h1>
```

```
<p> now you can display real time.
```

```
Stock market quotes </p>
```

```
</body>
```

```
</html>
```

Output:-

Page displays

The page will refresh in 20 seconds

do you need more time?

[OK]

[cancel]

- ④ Steps to integrate a payment Gateway using WSDL.

For Java

```
import your.package.name.payment.service.
```

```
import .package.name.payment.service.port  
Types;
```

```
public class paymentClient {
```

```
    public static void main (String[] args)
```

```
    {  
        PaymentService service = new Payment  
        Service();
```

```
        String response = Port.processPayment.
```

```
        ("amount", "currency", "payment details");
```

```
        System.out.println ("Response: " + response);
```

```
    }
```

```
}
```

Output:-

Payment response: Payment Successful for

amount 100.00 USD.