

SERVLET EXERCISE -3

INDEX.HTML:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Home Appliance Form</title>
  <link rel="stylesheet" href="style6.css">
</head>
<body style="font-size: 20px;">
  <form action="HomeApplianceFormServlet" method="post">
    <h3 style="text-align: center;">HOME APPLIANCE FORM</h3>
    
    <p style="font-size: 20px;"><b>Personal Details</b></p>
    <label for="name">Name:</label><br>
    <input type="text" id="name" name="name"><br>
    <label for="phno">Phone number:</label><br>
    <input type="text" id="phno" name="phno"><br>
    <label for="address">Address:</label><br>
    <input type="text" id="address" name="address"><br>
    <input type="radio" id="home" name="addressType" value="Home">
    <label for="home">Home</label>
    <input type="radio" id="work" name="addressType" value="Work">
    <label for="work">Work</label><br>
    <p style="font-size: 20px;"><b>Delivery Details</b></p>
    <input type="radio" id="d1" name="deliveryMethod" value="Home Delivery">
    <label for="d1">Home Delivery</label>
    <input type="radio" id="d2" name="deliveryMethod" value="In-Person">
    <label for="d2">In-Person</label><br><br>
    <label for="doorno">Door no:</label><br>
    <input type="text" id="doorno" name="doorno"><br>
    <label for="sname">Street name:</label><br>
    <input type="text" id="sname" name="sname"><br>
    <label for="city">City:</label><br>
    <input type="text" id="city" name="city"><br>
    <label for="pin">Pincode:</label><br>
    <input type="text" id="pin" name="pin"><br><br>
```

```

<p style="font-size: 20px;"><b>Choose your preferred appliance</b></p>
<input type="checkbox" id="a1" name="appliance" value="AC">
<label for="a1">AC</label><br>
<input type="checkbox" id="a2" name="appliance" value="Refrigerator">
<label for="a2">Refrigerator</label><br>
<input type="checkbox" id="a3" name="appliance" value="Mixer">
<label for="a3">Mixer</label><br>
<input type="checkbox" id="a4" name="appliance" value="Television">
<label for="a4">Television</label><br>
<p style="font-size: 20px;"><b>Brand</b></p>
<input type="radio" id="b1" name="brand" value="Samsung">
<label for="b1">Samsung</label><br>
<input type="radio" id="b2" name="brand" value="Whirlpool">
<label for="b2">Whirlpool</label><br>
<input type="radio" id="b3" name="brand" value="LG">
<label for="b3">LG</label><br>
<input type="radio" id="b4" name="brand" value="Sony">
<label for="b4">Sony</label><br>
<input type="radio" id="b5" name="brand" value="MI">
<label for="b5">MI</label><br><br>
<footer style="text-align: center;">
<input type="submit" value="Submit" class="button" >
</footer>
</form>
</body>
</html>

```

STYLE.CSS:

```

body{
    background-color:rgb(187, 187, 177);

}

.button{
    border: 0.2cm solid rgb(78, 78, 84);
    background-color: rgb(161, 153, 153);
    color: black;
    font-size: 20px;
}

```

HOMEAPPLIANCEFORMSERVLET.JAVA:

```
import java.io.IOException;
import java.io.PrintWriter;
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("/HomeApplianceFormServlet")
public class HomeApplianceFormServlet extends HttpServlet {

    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        String name = request.getParameter("name");
        String phone = request.getParameter("phno");
        String address = request.getParameter("address");
        String addressType = request.getParameter("addressType");
        String deliveryMethod = request.getParameter("deliveryMethod");
        String doorNo = request.getParameter("doorno");
        String streetName = request.getParameter("stname");
        String city = request.getParameter("city");
        String pincode = request.getParameter("pin");
        String[] appliances = request.getParameterValues("appliance");
        String brand = request.getParameter("brand");

        if (name == null || name.isEmpty() || !phone.matches("\\d{10}") || address == null ||
address.isEmpty() ||
            addressType == null || deliveryMethod == null || doorNo == null || doorNo.isEmpty() ||
streetName == null || streetName.isEmpty() || city == null || city.isEmpty() ||
!pincode.matches("\\d{6}") || appliances == null || brand == null) {

            out.println("<html><body>");
            out.println("<h3>Error: Please fill in all required fields correctly!</h3>");
            out.println("<a href='form.html'>Go Back to Form</a>");
```

```

        out.println("</body></html>");
    } else {
        out.println("<html><body>");
        out.println("<h3>Form Submitted Successfully!</h3>");
        out.println("<p><b>Name:</b> " + name + "</p>");
        out.println("<p><b>Phone:</b> " + phone + "</p>");
        out.println("<p><b>Address:</b> " + address + "</p>");
        out.println("<p><b>Address Type:</b> " + addressType + "</p>");
        out.println("<p><b>Delivery Method:</b> " + deliveryMethod + "</p>");
        out.println("<p><b>Door Number:</b> " + doorNo + "</p>");
        out.println("<p><b>Street Name:</b> " + streetName + "</p>");
        out.println("<p><b>City:</b> " + city + "</p>");
        out.println("<p><b>Pincode:</b> " + pincode + "</p>");
        out.print("<p><b>Appliances:</b> ");
        for (String appliance : appliances) {
            out.print(appliance + " ");
        }
        out.println("</p>");
        out.println("<p><b>Brand:</b> " + brand + "</p>");
        out.println("</body></html>");
    }
}
}

```

WEB.XML:

```

<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
        http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd"
    version="3.1">

    <display-name>Home Appliance Form Application</display-name>

    <!-- Servlet definition -->
    <servlet>
        <servlet-name>HomeApplianceFormServlet</servlet-name>
        <servlet-class>HomeApplianceFormServlet</servlet-class>
    </servlet>

```

```

<!-- Servlet mapping -->
<servlet-mapping>
    <servlet-name>HomeApplianceFormServlet</servlet-name>
    <url-pattern>/HomeApplianceFormServlet</url-pattern>
</servlet-mapping>

</web-app>

```

OUTPUT:

HOME APPLIANCE FORM

Personal Details

Name:

Radcliffe

Phone number:

9876543210

Address:

Chennai

☐ Home
 ☐ Work

Delivery Details

☐ Home Delivery
 ☐ In-Person

Door no:

7

Street name:

lvb nagar

City:

Chennai

Pincode:

625177

Choose your preferred appliance



☐ Home Delivery
 ☐ In-Person

Door no:

7

Street name:

lvb nagar

City:

Chennai

Pincode:

625177


Choose your preferred appliance

☒ AC
 ☐ Refrigerator
 ☐ Mixer
 ☐ Television

Brand

☐ Samsung
 ☐ Whirlpool
 ☐ LG
 ☐ Sony
 ☐ MI

Submit



✓
Form Submitted Successfully!

Name: Radcliffe

Phone: 9876543210

Address: Chennai

Address Type: Home

Delivery Method: Home Delivery

Door Number: 7

Street Name: lvb nagar

City: Chennai

Pincode: 625177

Appliances: AC

Brand: LG

