WEB PROGRAMMING LAB EXERCISE 6
JSP

- KISHORE.M (RA1711003040141)

1.   home.html

```html
home.html     MyServlet.java     output.jsp     Insert title here
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <meta charset="UTF-8">
5  <title>Employee</title>
6  </head>
7  <body>
8      <h2>Employee Details</h2>
9      <form name="empform" action="http://localhost:8080/PaySlip/MyServlet"
10     method="post">
11         <table>
12             <tr>
13                 <td>Employee Code </td>
14                 <td><input type="text" name="empcode" size="50"/></td>
15             </tr>
16             <tr>
17                 <td>Name </td>
18                 <td><input type="text" name="name" size="50"/></td>
19             </tr>
20             <tr>
21                 <td>
22                     <label for="designation">Designation </label>
23                 </td>
24                 <td>
25                     <select name="designation">
26                         <option value="Java Programmer">Java Programmer</option>
27                         <option value="Python Programmer">Python Programmer</option>
28                         <option value="PHP Programmer">PHP Programmer</option>
29                     </select>
30                 </td>
31             </tr>
32             <tr>
33                 <td>Basic Salary </td>
34                 <td><input type="text" name="basic" size="25"/></td>
35             </tr>
36             <tr>
37                 <td><input type="submit" name="submit1" value="Submit"/></td>
38                 <td><input type="reset" name="reset1" value="Reset"/></td>
39             </tr>
40         </table>
41     </form>
42 </body>
43 </html>
```
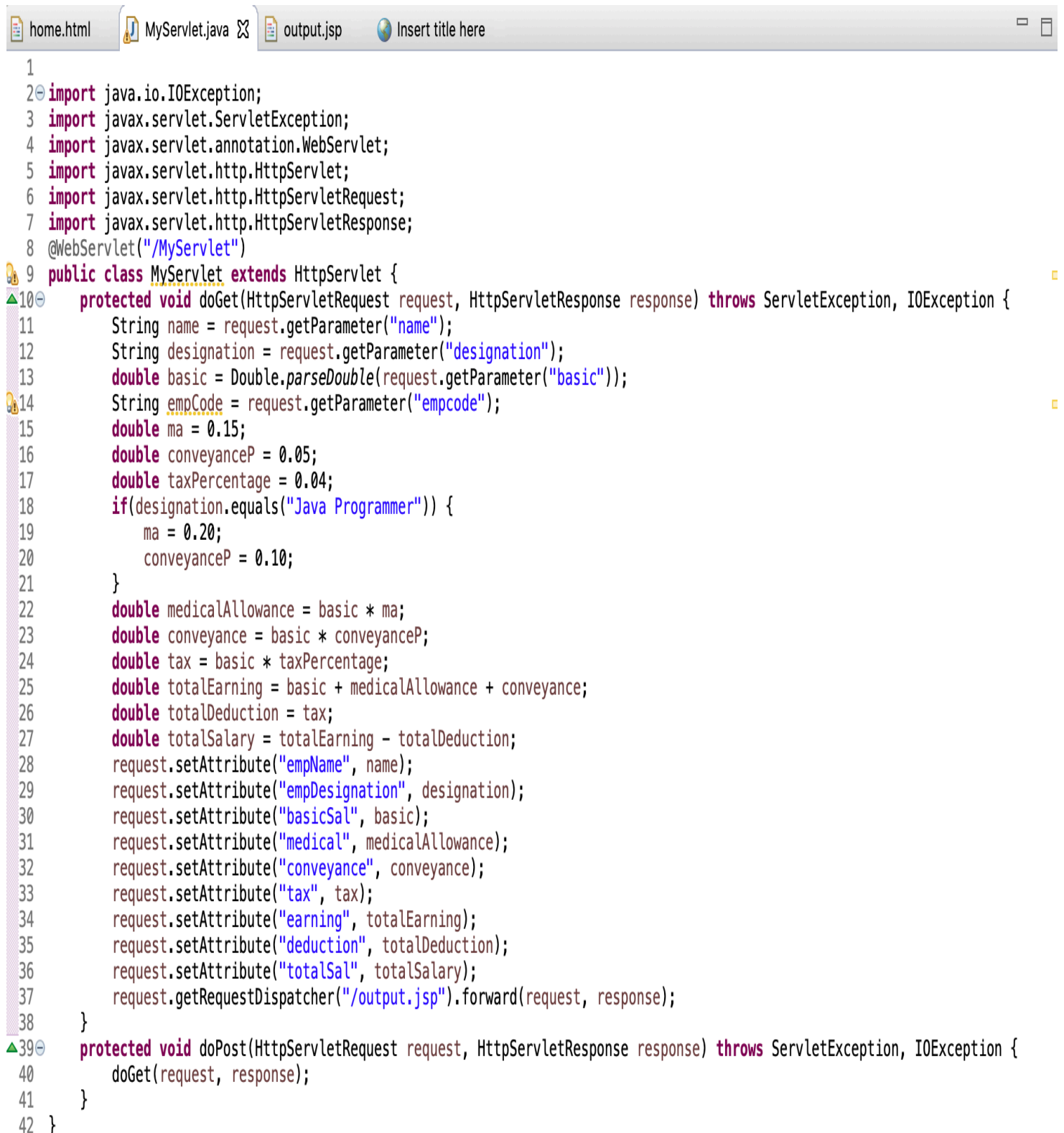
2. MyServlet.java

```java
1
2  import java.io.IOException;
3  import javax.servlet.ServletException;
4  import javax.servlet.annotation.WebServlet;
5  import javax.servlet.http.HttpServlet;
6  import javax.servlet.http.HttpServletRequest;
7  import javax.servlet.http.HttpServletResponse;
8  @WebServlet("/MyServlet")
9  public class MyServlet extends HttpServlet {
10     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
11         String name = request.getParameter("name");
12         String designation = request.getParameter("designation");
13         double basic = Double.parseDouble(request.getParameter("basic"));
14         String empCode = request.getParameter("empcode");
15         double ma = 0.15;
16         double conveyanceP = 0.05;
17         double taxPercentage = 0.04;
18         if(designation.equals("Java Programmer")) {
19             ma = 0.20;
20             conveyanceP = 0.10;
21         }
22         double medicalAllowance = basic * ma;
23         double conveyance = basic * conveyanceP;
24         double tax = basic * taxPercentage;
25         double totalEarning = basic + medicalAllowance + conveyance;
26         double totalDeduction = tax;
27         double totalSalary = totalEarning - totalDeduction;
28         request.setAttribute("empName", name);
29         request.setAttribute("empDesignation", designation);
30         request.setAttribute("basicSal", basic);
31         request.setAttribute("medical", medicalAllowance);
32         request.setAttribute("conveyance", conveyance);
33         request.setAttribute("tax", tax);
34         request.setAttribute("earning", totalEarning);
35         request.setAttribute("deduction", totalDeduction);
36         request.setAttribute("totalSal", totalSalary);
37         request.getRequestDispatcher("/output.jsp").forward(request, response);
38     }
39     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
40         doGet(request, response);
41     }
42 }
```
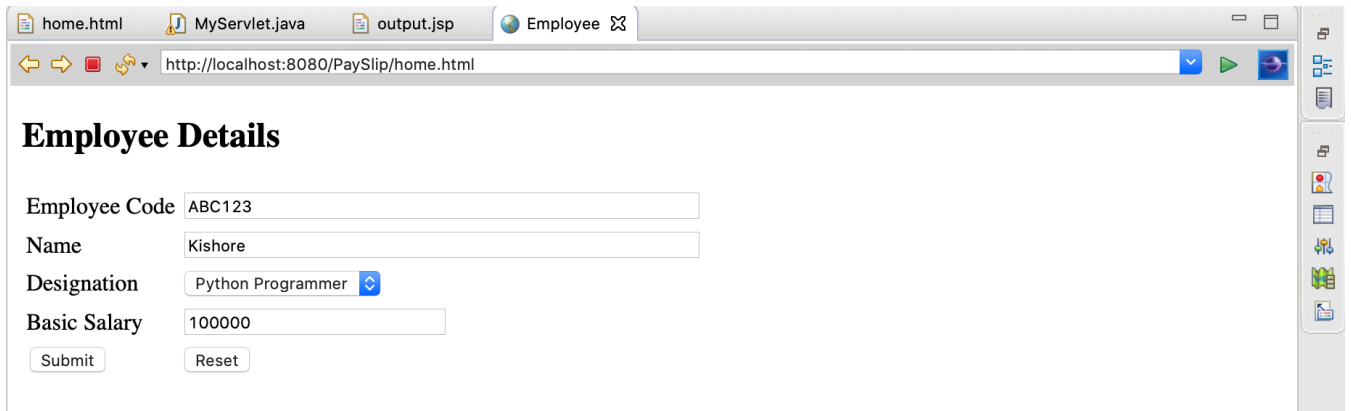
3. output.jsp

```jsp
1  <%@ page language="java" contentType="text/html; charset=UTF-8"
2      pageEncoding="UTF-8"%>
3  <%@ page import="java.time.LocalDateTime" %>
4  <%@ page import="java.time.format.DateTimeFormatter" %>
5  <!DOCTYPE html>
6  <html>
7  <head>
8  <meta charset="UTF-8">
9  <title>Insert title here</title>
10 <style type="text/css">
11     table.bord {
12         border:1px solid black;
13         border-collapse: collapse;
14     }
15     table.bord td {
16         border:1px solid black;
17         border-collapse: collapse;
18     }
19 </style>
20 </head>
21 <body>
22     <h1 align="center">PAYSLIP</h1>
23     <%
24         LocalDateTime currDate = LocalDateTime.now();
25         DateTimeFormatter myFormatObj = DateTimeFormatter.ofPattern("dd/MM/yyyy");
26         String formattedDate = currDate.format(myFormatObj);
27
28     %>
29     <table style="width:100%;">
30         <colgroup>
31             <col span="1" style="width: 25%;">
32             <col span="1" style="width: 25%;">
33             <col span="1" style="width: 25%;">
34             <col span="1" style="width: 25%;">
35         </colgroup>
36         <tr>
37             <td><b>Employee Name:</b></td>
38             <td><%=request.getAttribute("empName") %></td>
39             <td align="right"><b>Date: </b></td>
40             <td><b> <%=formattedDate %> </b></td>
41         </tr>
42         <tr>
43             <td><b>Designation:</b></td>
44             <td><%=request.getAttribute("empDesignation") %></td>
45             <td></td>
46             <td></td>
47         <tr>
48         <tr>
49             <td><b>Month: </b><%=currDate.getMonth() %></td>
50             <td><b>Year: </b><%=currDate.getYear() %></td>
51             <td></td>
52             <td></td>
53         </tr>
54     </table>
55     <br>
56     <br>
```

```html
<table class="bord" style="width:100%;">
    <tr>
        <td colspan="2"><h3 align="center">Earnings</h3></td>
        <td colspan="2"><h3 align="center">Deductions</h3></td>
    </tr>
    <tr>
        <td>Basic & DA</td>
        <td><%=request.getAttribute("basicSal") %></td>
        <td>Professional Tax</td>
        <td><%=request.getAttribute("tax") %></td>
    </tr>
    <tr>
        <td>Medical</td>
        <td><%=request.getAttribute("medical") %></td>
        <td>TDS/IT</td>
        <td>0.00</td>
    </tr>
    <tr>
        <td>Conveyance</td>
        <td><%=request.getAttribute("conveyance") %></td>
        <td></td>
        <td>-</td>
    </tr>
    <tr>
        <td></td>
        <td></td>
        <td></td>
        <td>-</td>
    </tr>
    <tr>
        <td>Total Addition</td>
        <td><%=request.getAttribute("earning") %></td>
        <td>Total Deduction</td>
        <td><%=request.getAttribute("deduction") %></td>
    </tr>
    <tr>
        <td></td>
        <td></td>
        <td>NET SALARY</td>
        <td><%=request.getAttribute("totalSal") %></td>
    </tr>
</table>
</body>
</html>
```
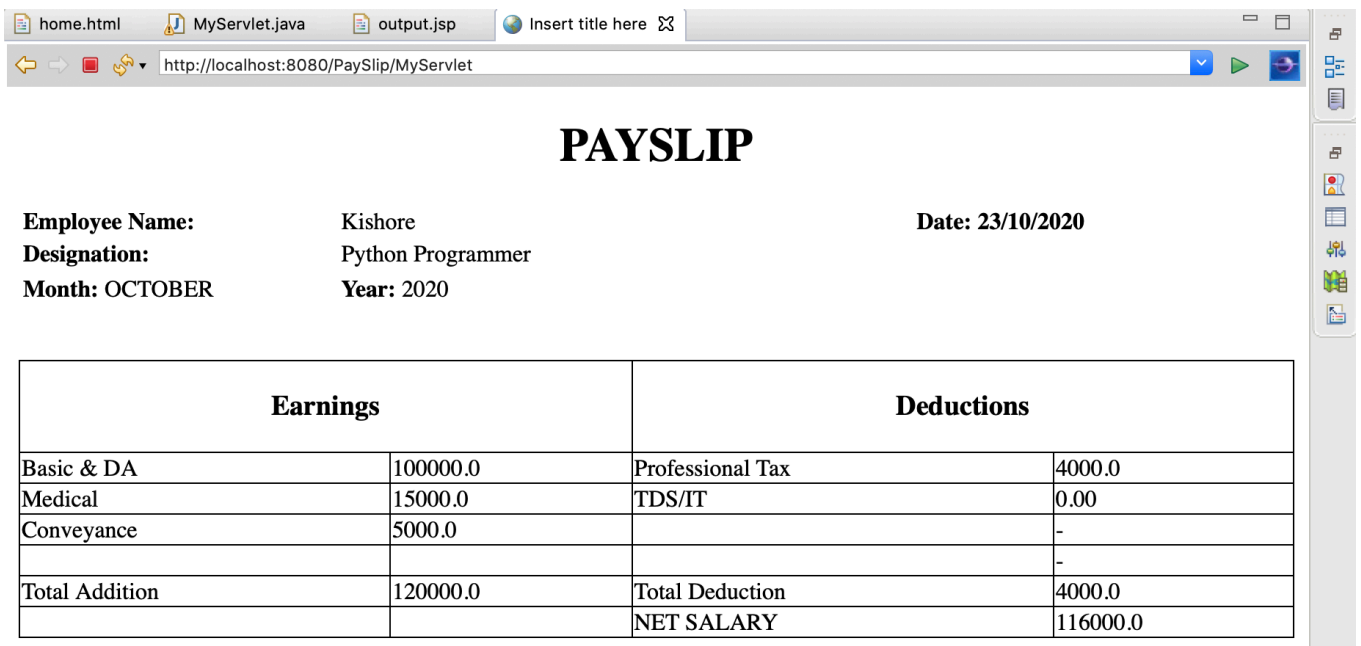
4. Screenshots

Employee Details

Employee Code	ABC123
Name	Kishore
Designation	Python Programmer
Basic Salary	100000

Submit   Reset

PAYSLIP

Employee Name: Kishore   **Date: 23/10/2020**
Designation: Python Programmer
Month: OCTOBER   **Year:** 2020

Earnings		Deductions	
Basic & DA	100000.0	Professional Tax	4000.0
Medical	15000.0	TDS/IT	0.00
Conveyance	5000.0		-
			-
Total Addition	120000.0	Total Deduction	4000.0
		NET SALARY	116000.0