Practical Sheet

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Program No:- 12

Submitted To Debesh Adhikari

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T.U.Roll.No. :- 24179

Title: Java Server Page (JSP).

Displaying "Kathmandu" 100 times code:

```jsp
<%@ page language ="java" contentType = "text/html; charset =ISO-8859-1"
         pageEncoding = "ISO-8859-1"%>
<%@ page import = "java.sql.*"%>
<!DOCTYPE html>
<html>
<head>
    <meta charset = "ISO-8859-1">
    <title> Test JDBC </title>
    <style>
        table {
        border-collapse: collapse;
        width: 50%;
        margin: 20px;
        }
        th, td {
            border: 1px solid black;
            padding: 8px;
            text-align: center;
        }
        th {
            background-color: #F2F2F2;
        }
    </style>
</head>
```

```html
<body>
    <table>
        <thead>
            <tr>
                <th>City</th>
            </tr>
        </thead>
        <tbody>
            <%
                for (int i = 0; i<100; i++){
                    if(i%10==0){
            %>
            </tr><tr>
            <%.
                }
            %>
            <td>Kathmandu</td>
            <%.
                }
            %>
            </tr>
        </tbody>
    </table>
</body>
</html>
```

City									
Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu
Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu
Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu
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Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu	Kathmandu

input form code:

```jsp
<%@ page language="java" contentType="text/html;charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
    <meta charset="ISO-8859-1">
    <title>Student Information Form</title>
</head>
<body>
    <form action="displayValues.jsp" method="post">
    <label for="name">Name:</label>
    <input type="text" name="name" required><br>
    <label for="rollNumber">Roll Number:</label>
    <input type="text" name="rollNumber" required><br>
    <label for="address">Address:</label>
    <input type="text" name="address" required><br>
     <input type="submit" value="Submit">
    </form>
</body>
</html>
```

displayValues.jsp:

```jsp
<%@ page language="java" contentType="text/html;charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
    <meta charset="ISO-8859-1">
    <title>Display Student Information</title>
</head>
<body>
    <h2>Student Information:</h2>
```

```jsp
<%
    String name = request.getParameter("name");
    String rallNumber = request.getParameter("rallNumber");
    String address = request.getParameter("address");
%>
<p><strong>Name:</strong> <%=name%></p>
<p><strong>Rall Number:</strong> <%=rallNumber%></p>
<p><strong>Address:</strong> <%=address%></p>

</body>
</html>
```

Name: Utsav Acharya Sharma
Roll Number: 24179
Address: Gothatar
Submit

Student Information:

Name: Utsav Acharya Sharma

Roll Number: 24179

Address: Gothatar

Simple Interest Code:

```jsp
<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<%@ page import="java.sql.*"%>
<!DOCTYPE html>
<html>
<head>
    <meta charset="ISO-8859-1">
    <title>Simple Interest Calculator</title>
</head>
<body>
    <form action="calculateInterest.jsp" method="post">
    Enter Principal: <input type="number" name="principal" required><br>
    Enter Time:<input type="number" name="time" required><br>
    Enter Rate: <input type="number" name="rate" required><br>
        <input type="submit" value="Calculate">
    </form>
</body>
</html>
```

Calculate Interest.jsp Code:

```jsp
<%@ page language="java" contentType="text/html"; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%>
<%@ page import="java.sql.*"%>
<%@ page import="java.text.DecimalFormat"%>
<!DOCTYPE html>
<html>
<head>
    <meta charset="ISO-8859-1">
    <title>Simple Interest Result</title>
</head>
```

```jsp
<body>
<%
    double principal = Double.parseDouble(request.getParameter("principal"));
    double time = Double.parseDouble(request.getParameter("time"));
    double rate = Double.parseDouble(request.getParameter("rate"));
    double simpleInterest = (principal * rate * time)/100;

    DecimalFormat df = new DecimalFormat("#.##");
    String formattedInterest = df.format(simpleInterest);
%>
<h2> Simple Interest Calculation Result:</h2>
<p> Principal: <%=principal %></p>
<p> Time: <%=time %> years</p>
<p>Rate: <%= rate %> %</p>
<p>Simple Interest: <%= formattedInterest %></p>
</body>
</html>
```

Enter Principal: 15000

Enter Time: 2

Enter Rate: 13

[Calculate]

Simple Interest Calculation Result:

Principal: 15000.0

Time: 2.0 years

Rate: 13.0 %

Simple Interest: 3900