

Day 2 Home work:

Program :

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Day 2 Home Work</title>
</head>
<body>
Students should upload a single PDF file containing all the following code.<br>
<br>
Write the JSP code for the following: <br> <br>
1. Get a number from user and print whether the number is even or odd <br>
    <form action="./practice.jsp" method="get">
    <label for="Number">enter Number</label>
    <input type="number" name="number" value="0">
    <input type="submit">
    </form>
    <%
    int a;
    if (request.getParameter("number") == null){
        a=0;
    }
    else{
        a=Integer.parseInt(request.getParameter("number"));
    }
    if (a%2==0){
        out.println("even");
    }
    else{
        out.println("odd");
    }
    %>
<br>
<br>
2. Get a number 'a' from user and print the sum of all numbers from 1 to 'a' <br>
    <form action="./practice.jsp" method="get">
    <label for="a">enter a Number</label>
    <input type="number" name="a">
    <input type="submit">
    </form>
    <%
    int sum=0;
```

```

if (request.getParameter("a")== null){
    a=0;
}
else{
    a=Integer.parseInt(request.getParameter("a"));
}
for (int i=0; i <= a;i++){
    sum+=i;
}
out.println("Sum :"+sum);
%>
<br>
<br>
3. Get a string from the user and display the count of vowels present in it. <br>
<form action="./practice.jsp" method="post">
<label>enter a sentence</label><input type="text" name="c">
<input type="submit">
</form>
<%
int count=0;
String c = "z";
if(request.getParameter("c") != null){
    c=request.getParameter("c");
    c=c.toLowerCase();
}
for (int i=0 ; i < c.length(); i++){
    char ch = c.charAt(i);
    if(ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u'){
        count =count  + 1;
    }
}
out.println("No of vowels is: "+count);
%>
<br> <br>
4. Get a number from user and print the first 10 multiples of it.
<form action="./practice.jsp" method="POST">
<input type="number" value="10" name="d" >
<input type="submit">
</form>

<%
if (request.getParameter("d")==null){
    a=0;
}
else{
    %><p>Ten Multiples of <%= request.getParameter("d")%> are:</p><%
    a=Integer.parseInt(request.getParameter("d"));

```

```

        out.println("<table>");
        for(int i=1; i <= 10;i++)
    {
out.println(" <tr> <td>"+ a +"*" + i +"= "+ i*a +" </td> </tr>");
    }
out.println("</table>");
    }
%>

<br>
<br>
5. Write a jsp code to find whether a year is a leap year or not. <br>
<form action="./practice.jsp" method="get">
<label>enter a year</label><input type="number" name="year">
</form>

<%
int year =0;
if (request.getParameter("year") != null){
    year=Integer.parseInt(request.getParameter("year"));
    out.println(year);
    if (((year % 4 == 0) && (year % 100!= 0)) || (year%400 == 0)){
        out.println(" is a leap year.");
    }
    else{
        out.println(" is not a leap year.");
    }
}
%>
</body>
</html>

```

Output:

Students should upload a single PDF file containing all the following code.

Write the JSP code for the following:

1. Get a number from user and print whether the number is even or odd

enter Number

even

2. Get a number 'a' from user and print the sum of all numbers from 1 to 'a'

enter a Number

Sum :0

3. Get a string from the user and display the count of vowels present in it.

enter a sentence

No of vowels is: 0

4. Get a number from user and print the first 10 multiples of it.

Ten Multiples of 10 are:

10*1= 10

10*2= 20

10*3= 30

10*4= 40

10*5= 50

10*6= 60

10*7= 70

10*8= 80

10*9= 90

10*10= 100

5. Write a jsp code to find whether a year is a leap year or not.

enter a year

2020 is a leap year.