SRI RAMACHANDRA
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Category - I Deemed to be University) Porur, Chennai
SRI RAMACHANDRA ENGINEERING AND TECHNOLOGY

CSE 280 ADVANCE JAVA

STUDENT WORK BOOK

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Academic Year	:	2020-2021

Date:17/11/2020

Q.NO 1: Question

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

Program:

```
webapps > Programs > DAY-2 > Assignment > Q1-EvenOrOdd > <> evenorodd.html > ...
1    <!DOCTYPE html>
2    <html lang="en">
3        <style>body {margin: 0;padding: 50px 50px;font-size: 35px;}</style>
4        <body>EVEN OR ODD<br><br>
5        <form action="evenorodd.jsp" method="POST">
6        Enter the number:<input type="text" name="num"/>
7        <button type="submit">Find</button>
8    </form></body></html>
```

```
webapps > Programs > DAY-2 > Assignment > Q1-EvenOrOdd > <> evenorodd.jsp > ...
1    <html>
2        <style>body{margin: 0;padding: 50px 50px;font-size: 40px;}</style>
3    <body><p>1.Get a number from user and print whether the number is even or odd</p>
4    <%
5    int number = Integer.parseInt(request.getParameter("num"));
6    if(number%2==0)
7        out.println(number+" is a Even number");
8    else
9        out.println(number+" is a odd number");
10   %>
11   </body></html>
```

Output:

EVEN OR ODD

Enter the number: [45] [Find]

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

45 is a odd number

Date:17/11/2020

Q.NO 2: Question

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

Program:

```
webapps > Programs > DAY-2 > Assignment > Q2-Sum > <> sum.html > ...
1   <html>
2       <style>body {margin: 0;padding: 50px 50px;font-size: 20px;}</style>
3   <body>
4       <form action="sum.jsp" method="POST">
5       Enter a number to find cumulative sum: <input type="text" name="num"/>
6       <button type="submit"> Answer </button>
7   </form> </body> </html>
```

```
webapps > Programs > DAY-2 > Assignment > Q2-Sum > <> sum.jsp > ...
1   <html>
2       <style>body{margin: 0;padding: 50px 50px;font-size: 40px;}</style>
3   <body>
4   <p>2.Get a number 'a' from user and print the sum of all numbers from 1 to 'a'</p>
5   <%int sum=0;
6   int number=Integer.parseInt(request.getParameter("num"));
7   for(int i = 1; i <= number; ++i)
8           {   if(i!=number){
9                   out.print(i+" + ");}
10              if(i == number){
11                  out.print(i+" = ");}
12                  sum += i;  }
13      out.println(sum);%>
14  </body></html>
```

 # Output:

```
← → C ⌂    ⓘ localhost:3001/Programs/DAY-2/Assignment/Q2-Sum/sum.html
```

Enter a number to find cumulative sum: [11   ] [Answer]

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

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 + 11 = 66$

Date:17/11/2020

Q.NO3: Question

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

Program:

```
webapps > Programs > DAY-2 > Assignment > Q3-Vowels > <> vowels.html > ...
 1   <html>
 2      <style>body {margin: 0;padding: 50px 50px;font-size: 35px;}</style>
 3   <body>
 4   <form action="vowels.jsp" method="get">
 5   Enter string to find frequency of vowels: <input type="text" name="string"/>
 6   <button type="submit">Click</button>
 7   </form></body></html>
```

```
webapps > Programs > DAY-2 > Assignment > Q3-Vowels > <> vowels.jsp > ...
 1   <html>
 2      <style>body{margin: 0;padding: 50px 50px;font-size: 40px;}</style>
 3   <body>
 4   <p>3. Get a string from the user and display the count of vowels present in it.</p>
 5   <%String word=request.getParameter("string");
 6   int count=0;
 7   for (int i=0 ; i<word.length(); i++){
 8          char ch = word.charAt(i);
 9          if(ch == 'a'|| ch == 'e'|| ch == 'i' ||ch == 'o' ||ch == 'u'||ch == ' '){
10             count ++;}}
11      out.println("Number of vowels in the given string is "+count);%>
```

Output:

Enter string to find frequency of vowels: [hi there i am sathish] [Click]

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

Number of vowels in the given string is 11

Date:17/11/2020

Q.NO 4: Question

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

Program:

```
webapps > Programs > DAY-2 > Assignment > Q4-Multiple > <> multiple.html > ...
1   <html>
2       <style>body {margin: 0;padding: 50px 50px;font-size: 35px;}</style>
3   <body>
4   <form action="multiple.jsp" method="get">
5   Enter a number to check its multiple: <input type="text" name="num"/>
6   <button type="submit">Click</button>
7   </form></body></html>
```

```
webapps > Programs > DAY-2 > Assignment > Q4-Multiple > <> multiple.jsp > ...
1    <html>
2        <style>body{margin: 0;padding: 50px 50px;font-size: 40px;}</style>
3    <body>
4    <p>4. Get a number from user and print the first 10 multiples of it.</p>
5    <%int number=Integer.parseInt(request.getParameter("num"));
6    out.println("Multiples of "+number+" are ");
7    out.println("<br><br>");
8    for(int i=1;i<=10;i++)
9    { int ans=number*i;
10   out.println(number+" * "+ i + " = "+ans+"<br>");}%>
11   </body></html>
```

Output:

Enter a number to check its multiple: 89   Click

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

Multiples of 89 are

89 * 1 = 89
89 * 2 = 178
89 * 3 = 267
89 * 4 = 356
89 * 5 = 445
89 * 6 = 534
89 * 7 = 623
89 * 8 = 712
89 * 9 = 801
89 * 10 = 890

Date:17/11/2020

Q.NO 5: Question

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

Program:

```
webapps > Programs > DAY-2 > Assignment > Q5-LeapYear > <> leapyear.html > ...
1    <html>
2        <style>body {margin: 0;padding: 50px 50px;font-size: 35px;}</style>
3    <body>
4    <form action="leapyear.jsp" method="get">
5    Enter year: <input type="text" name="year" />
6    <button type="submit">Click</button>
7    </form></body></html>
```

```
webapps > Programs > DAY-2 > Assignment > Q5-LeapYear > <> leapyear.jsp > ...
1    <html>
2        <style>body{margin: 0;padding: 50px 50px;font-size: 40px;}</style>
3    <body>
4    <p>5. Write a jsp code to find whether a year is a leap year or not.</p>
5    <%int year=Integer.parseInt(request.getParameter("year"));
6    if (((year % 4 == 0) && (year % 100!= 0)) || (year%400 == 0)){
7        out.println(year+" is a leap year");}
8    else{
9        out.println(year+" is not a leap year");}%>
10   </body></html>
```

Output:

localhost:3001/Programs/DAY-2/Assignment/Q5-LeapYear/leapyear.html

Enter year: 2058 Click

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

2058 is not a leap year