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DIV.: B

SEM.: SYBCA – SEM3

COLLEGE: SMT. Z.S. PATEL

COLLEGE OF COMPUTER

APPLICATION

ASSIGNMENT 3

- 1. MAKE SIMPLE CALCULATOR**
- 2. NUMBER IS PRIME OR NOT?**
- 3. STRING IS PALINDROME OR NOT?**
- 4. TAKE STUDENT MARKS**
- 5. DISPLAY MULTIPLICATION IN BOX**
- 6. STRING FROM USER AND REVERSE IT**
- 7. ACCEPT ANY NUMBER FROM USER AND REVERSE IT**
- 8. SPLIT A STRING AND CONVERT INTO ARRAY OF WORDS**

I. MAKE SIMPLE CALCULATOR

CODE: HTML

```
<!DOCTYPE html>

<html lang = "en">

<head>

<title> JavaScript Calculator </title>


<style>

h1 {
    text-align: center;
    padding: 23px;
    background-color: skyblue;
    color: white;
}

#clear{
width: 270px;
border: 3px solid gray;
    border-radius: 3px;
    padding: 20px;
    background-color: red;
}

.formstyle
{
width: 300px;
height: 530px;
```

```
margin: auto;  
border: 3px solid skyblue;  
border-radius: 5px;  
padding: 20px;  
}
```

```
input  
{  
width: 20px;  
background-color: green;  
color: white;  
border: 3px solid gray;  
border-radius: 5px;  
padding: 26px;  
margin: 5px;  
font-size: 15px;  
}
```

```
#calc{  
width: 250px;  
border: 5px solid black;  
border-radius: 3px;  
padding: 20px;  
margin: auto;  
}
```

</style>

</head>

<body>

<h1> Calculator Program in JavaScript </h1>

<div class= "formstyle">

<form name = "form1">

<input id = "calc" type ="text" name = "answer">

<input type = "button" value = "1" onclick = "form1.answer.value += '1' ">

<input type = "button" value = "2" onclick = "form1.answer.value += '2' ">

<input type = "button" value = "3" onclick = "form1.answer.value += '3' ">

<input type = "button" value = "+" onclick = "form1.answer.value += '+' ">

<input type = "button" value = "4" onclick = "form1.answer.value += '4' ">

<input type = "button" value = "5" onclick = "form1.answer.value += '5' ">

<input type = "button" value = "6" onclick = "form1.answer.value += '6' ">

<input type = "button" value = "-" onclick = "form1.answer.value += '-' ">

<input type = "button" value = "7" onclick = "form1.answer.value += '7' ">

<input type = "button" value = "8" onclick = "form1.answer.value += '8' ">

<input type = "button" value = "9" onclick = "form1.answer.value += '9' ">

<input type = "button" value = "*" onclick = "form1.answer.value += '*' ">

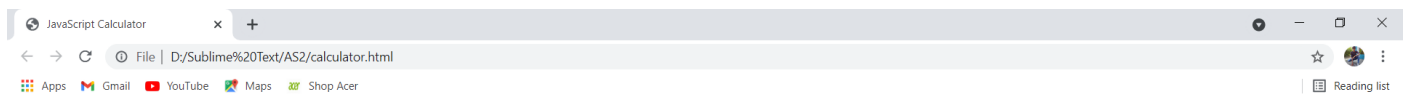
<input type = "button" value = "/" onclick = "form1.answer.value += '/' ">

```

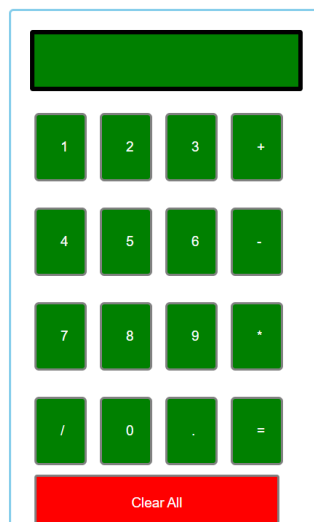
<input type = "button" value = "0" onclick = "form1.answer.value += '0' ">
  <input type = "button" value = "." onclick = "form1.answer.value += '.' ">
  <input type = "button" value = "=" onclick = "form1.answer.value =
eval(form1.answer.value) ">
  <br>
  <input type = "button" value = "Clear All" onclick = "form1.answer.value = ' ' " id= "clear"
>
  <br>

</form>
</div>
</body>
</html>

```



Calculator Program in JavaScript



2. NUMBER IS PRIME OR NOT?

CODE: HTML

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>
```

```
    Check a number is Prime or  
    not using JavaScript
```

```
</title>
```

```
<script type="text/javascript">
```

```
    function p() {
```

```
        var n, i, flag = true;
```

```
        n = document.myform.n.value;
```

```
        n = parseInt(n)
```

```
        for(i = 2; i <= n - 1; i++)
```

```
            if (n % i == 0) {
```

```
                flag = false;
```

```
                break;
```

```
            }
```

```
        if (flag == true)
```

```
            alert(n + " is prime");
```

```
        else
            alert(n + " is not prime");
    }
</script>
</head>

<body>
    <center>
        <h1>Meet Solution</h1>

        <h4>check number is prime or not</h4>

        <hr color="Green">

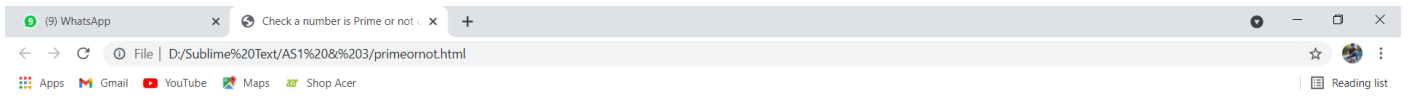
        <form name="myform">
            Enter the number:
            <input type="text" name=n value="">

            <br><br>

            <input type="button" value="Check" onClick="p()">
            <br>
        </form>
    </center>
</body>

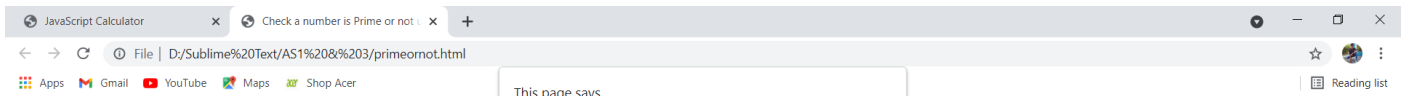
</html>
```


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Enter the number:

Check



Enter the number:

Check



3. STRING IS PALINDROME OR NOT?

CODE: HTML

```
<html>

<head> <title> JavaScript Palindrome </title>

</head>

<body>


<script>


function validatePalin(str) {

    const len = string.length;

    for (let i = 0; i < len / 2; i++) {

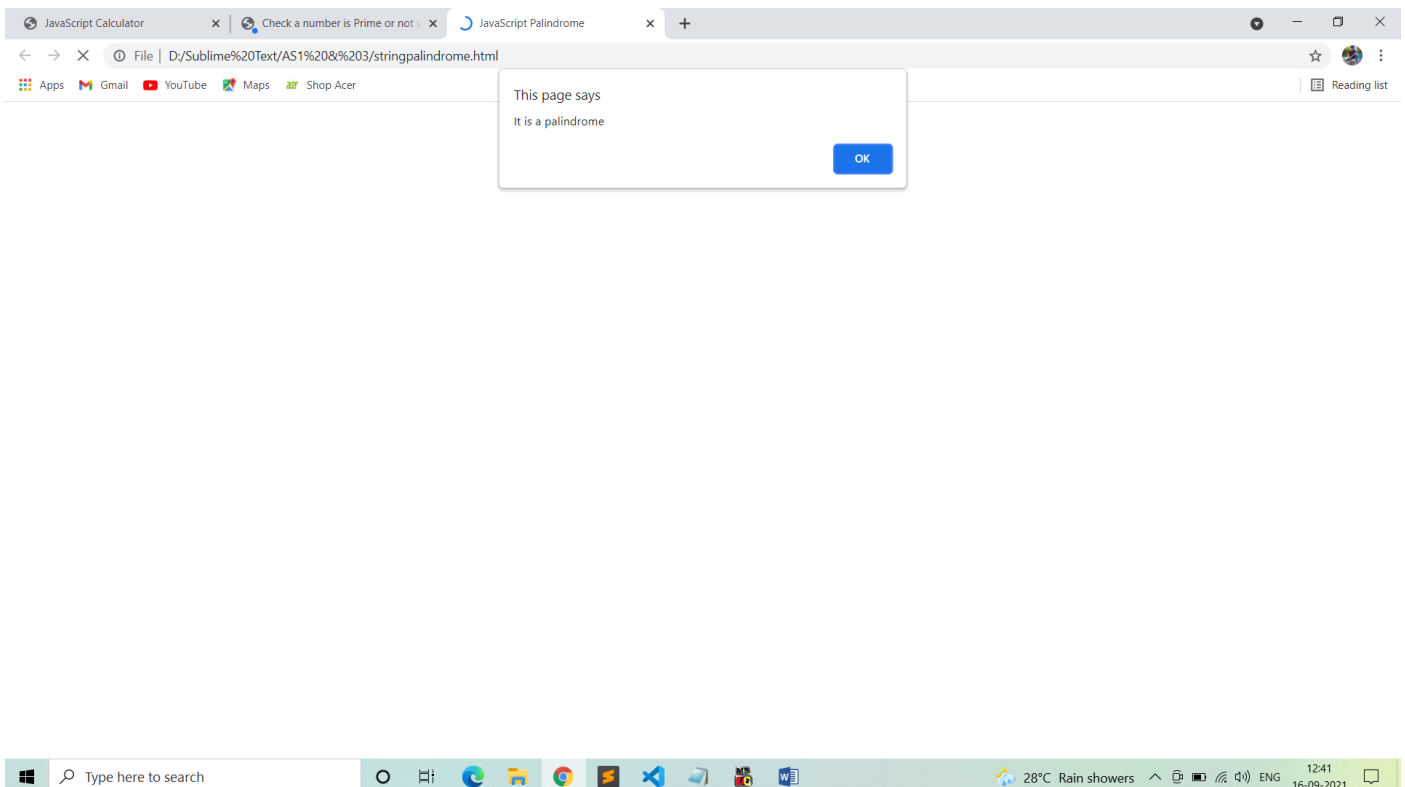
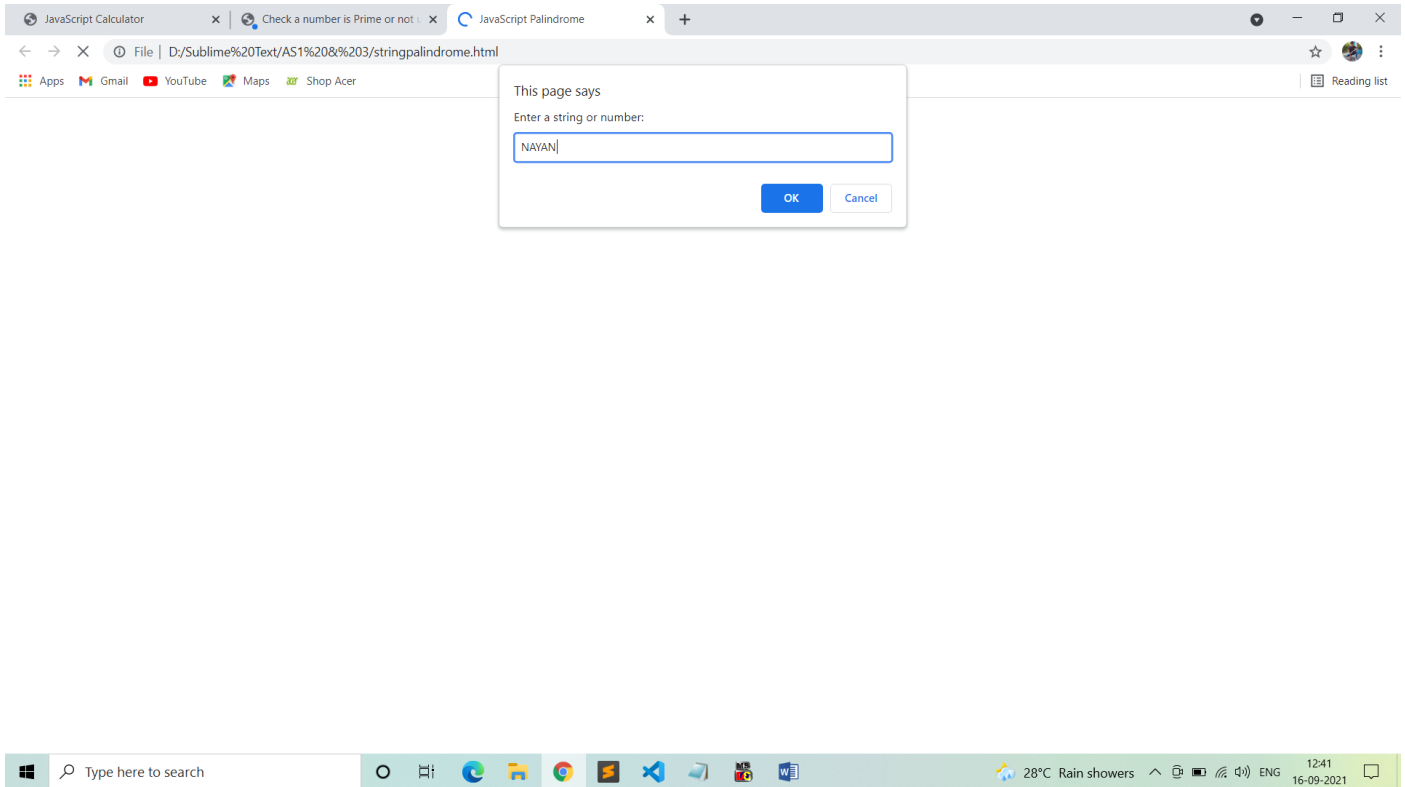
        if (string[i] !== string[len - 1 - i]) {
            alert( 'It is not a palindrome');
        }
    }
    alert( 'It is a palindrome');
}

const string = prompt('Enter a string or number: ');

const value = validatePalin(string);

console.log(value);
```

```
</script>
</body>
</html>
```



4. TAKE STUDENTS MARKS

CODE: HTML

```
<HTML>
```

```
<HEAD>
```

```
<BODY>
```

```
<SCRIPT>
```

```
function myFun()
```

```
{
```

```
var a=document.form1.txtname.value;
```

```
document.getElementById("demoname").innerHTML=a;
```

```
var b=document.form1.txtfname.value;
```

```
document.getElementById("demofname").innerHTML=b;
```

```
var c=document.form1.txtins.value;
```

```
document.getElementById("demoins").innerHTML=c;
```

```
var d=document.form1.txtbatch.value;
```

```
document.getElementById("demobatch").innerHTML=d;
```

```
var e=document.form1.txtoffice.value;
```

```
document.getElementById("demooffice").innerHTML=e;
```

```
var f=document.form1.txtweb.value;
```

```
document.getElementById("demoweb").innerHTML=f;
```

```
var g=document.form1.txtit.value;
```

```
document.getElementById("demoit").innerHTML=g;
```

```
var h=document.form1.txtc.value;
```

```
document.getElementById("democ").innerHTML=h;
```

```
var  
txt1=eval(parseFloat(document.form1.txtoffice.value)+parseFloat(document.form1.txtweb.v  
alue)
```

```
+parseFloat(document.form1.txtit.value)+parseFloat(document.form1.txtc.value));
```

```
document.getElementById("demototal").innerHTML=txt1;  
var txt2=eval(parseFloat(txt1*100)/400);  
document.getElementById("demoper").innerHTML=txt2.toFixed(2)+"%";
```

```
switch(true)  
{  
  case(txt2>=80):  
    document.getElementById("demograde").innerHTML="A";  
    break;  
  case(txt2>=70):  
    document.getElementById("demograde").innerHTML="A";  
    break;  
  case(txt2>=60):  
    document.getElementById("demograde").innerHTML="B";  
    break;  
  case(txt2>=50):  
    document.getElementById("demograde").innerHTML="C";  
    break;  
  case(txt2>=40):  
    document.getElementById("demograde").innerHTML="D";  
    break;  
  case(txt2<40):  
    document.getElementById("demograde").innerHTML="Fail";  
    break;  
}
```

```
}  
  
</SCRIPT>  
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
```

</HEAD>

<BODY>

<DIV class="color">

STUDENT MARKSHEET

<FIELDSET>

<LEGEND> STUDENT INFORMATION </LEGEND>


```
<FORM name="form1">
```

 Name: | |

Father Name:	<input name="txtfname" type="text"/>
--------------	--------------------------------------

<TR>

<TD width="140" > College Name:</TD><TD> <INPUT type="text" name="txtins"/></TD>
--

<TD style="text-indent: 16px">Division:</TD><TD> <INPUT type="text" name="txtbatch"/></TD>

</FIELDSET></BR>

<FIELDSET>

<LEGEND> SUBJECTS MARKS </LEGEND>

Category	Value
Category 1	Value 1
Category 2	Value 2
Category 3	Value 3
Category 4	Value 4
Category 5	Value 5
Category 6	Value 6
Category 7	Value 7
Category 8	Value 8
Category 9	Value 9
Category 10	Value 10
Category 11	Value 11
Category 12	Value 12
Category 13	Value 13
Category 14	Value 14
Category 15	Value 15
Category 16	Value 16
Category 17	Value 17
Category 18	Value 18
Category 19	Value 19
Category 20	Value 20
Category 21	Value 21
Category 22	Value 22
Category 23	Value 23
Category 24	Value 24
Category 25	Value 25
Category 26	Value 26
Category 27	Value 27
Category 28	Value 28
Category 29	Value 29
Category 30	Value 30
Category 31	Value 31
Category 32	Value 32
Category 33	Value 33
Category 34	Value 34
Category 35	Value 35
Category 36	Value 36
Category 37	Value 37
Category 38	Value 38
Category 39	Value 39
Category 40	Value 40
Category 41	Value 41
Category 42	Value 42
Category 43	Value 43
Category 44	Value 44
Category 45	Value 45
Category 46	Value 46
Category 47	Value 47
Category 48	Value 48
Category 49	Value 49
Category 50	Value 50
Category 51	Value 51
Category 52	Value 52
Category 53	Value 53
Category 54	Value 54
Category 55	Value 55
Category 56	Value 56
Category 57	Value 57
Category 58	Value 58
Category 59	Value 59
Category 60	Value 60
Category 61	Value 61
Category 62	Value 62
Category 63	Value 63
Category 64	Value 64
Category 65	Value 65
Category 66	Value 66
Category 67	Value 67
Category 68	Value 68
Category 69	Value 69
Category 70	Value 70
Category 71	Value 71
Category 72	Value 72
Category 73	Value 73
Category 74	Value 74
Category 75	Value 75
Category 76	Value 76
Category 77	Value 77
Category 78	Value 78
Category 79	Value 79
Category 80	Value 80
Category 81	Value 81
Category 82	Value 82
Category 83	Value 83
Category 84	Value 84
Category 85	Value 85
Category 86	Value 86
Category 87	Value 87
Category 88	Value 88
Category 89	Value 89
Category 90	Value 90
Category 91	Value 91
Category 92	Value 92
Category 93	Value 93
Category 94	Value 94
Category 95	Value 95
Category 96	Value 96
Category 97	Value 97
Category 98	Value 98
Category 99	Value 99
Category 100	Value 100

<TR>

<TD> Office Automation:</TD><TD> <INPUT type="text" name="txtoffice" maxlength="2" size="10"/> Out of 100 </TD>

```
</TR>
```

```
<TR>
```

```
<TD> Web Designing:</TD><TD> <INPUT type="text" name="txtweb" maxlength="2"
size="10"/> Out of 100</TD>
```

```
</TR>
```

```
<TR>
```

```
<TD> IT:</TD><TD> <INPUT type="text" name="txtit" maxlength="2" size="10"/> Out
of 100</TD>
```

```
</TR>
```

```
<TR>
```

```
<TD> C# Programing:</TD><TD> <INPUT type="text" name="txtc" maxlength="2"
size="10" /> Out of 100</TD>
```

```
</TR>
```

```
<TR>
```

```
<TD>&nbsp;</TD>
```

```
</TR>
```

```
</TABLE>
```

```
</FIELDSET>
```

```
<DIV class="btn">
```

```
<button style="font-size:17" type="button" onclick='myFun()>Submit</button>
```

```
<button style="font-size:17" type="Reset">Reset</button>
```

```
</DIV>
```

```
<DIV class="demo">
```

```
<TABLE border="1">
```

```
<TR>
```

```
<TH colspan="8" width="240"> Student Information </TH>
```

```
</TR>
```

```
<TR>
```

```
<TD width="135">Name:</TD><TD><FONT face="arial"
id="demoname"></FONT></TD>
```

```
</TR>
```

```
<TR>
```

```
<TD width="135">Father Name:</TD><TD><FONT face="arial"
id="demofname"></FONT></TD>
```

```
</TR>
```

```
<TR>
```

```
<TD width="135">College Name:</TD><TD><FONT face="arial"
id="demoins"></FONT></TD>
```

```
</TR>
```

```
<TD width="135">Division:</TD> <TD><FONT face="arial"
id="demobatch"></FONT></TD>
```

```
</TR>
```

```
<TR>
```

```
<TH colspan="8" width="240"> Subjects Marks </TH>
```

```
</TR>
```

```
<TR>
```

```
<TD width="135">Office Automation:</TD> <TD><FONT face="arial"
id="demooffice"></FONT></TD>
```

```
</TR>
```

```
<TR>
```

```
<TD width="135">Web Designing:</TD><TD><FONT face="arial"
id="demoweb"></FONT></TD>
```

```
</TR>
```

```
<TD width="135">IT:</TD><TD><FONT face="arial" id="demoit"></FONT></TD>
```

```
</TR>
```

```
<TR>
```

```
<TD width="135">C# Programing:</TD><TD><FONT face="arial"
id="democ"></FONT></TD>
```

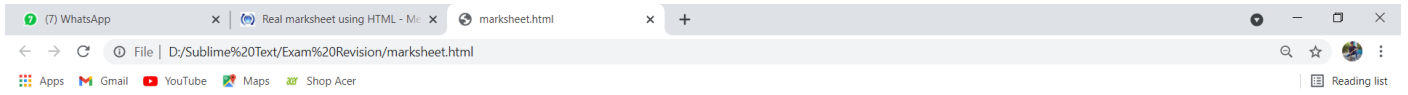
```
</TR>
```



```
<TR>
<TH colspan="8" width="240"> Marks Result </TH>
</TR>
<TR>
<TD width="135">TOTAL:</TD><TD> <FONT face="arial"
id="demototal"></FONT></TD>
</TR>
<TR>
<TD width="135">Percentage:</TD><TD><FONT face="arial"
id="demoper"></FONT></TD>
</TR>
<TR>
<TD width="135">Grade:</TD><TD><FONT face="arial"
id="demograde"></FONT></TD>
</TR>
</TABLE>
</DIV>
</DIV>

</BODY>
</HTML>
```

NIKUNJ SADALIYA WEB DESIGNING PROGRAM



STUDENT MARKSHEET

STUDENT INFORMATION

Name: Nikunj Father Name: Hiteshbhai
College Name: Z.S. Patel Division: B

SUBJECTS MARKS

Office Automation: 90 Out of 100
Web Designing: 80 Out of 100
IT: 70 Out of 100
C# Programing: 60 Out of 100

Submit Reset

Student Information	
Name:	Nikunj
Father Name:	Hiteshbhai
College Name:	Z.S. Patel
Division:	B
Subjects Marks	
Office Automation:	90
Web Designing:	80
IT:	70
C# Programing:	60
Marks Result	
TOTAL:	300
Percentage:	75.00%
Grade:	A



5. DISPLAY MULTIPLICATION IN BOX

CODE: HTML

```
<!DOCTYPE html>

<html>

<head>

    <title>HAPPY - Everything For You</title>

    <link rel="icon" href="formlogo.png" type="image/gif/png" sizes="96*96">

    <script type="text/javascript" src="ml.js"></script>

    <style type="text/css">

        body {margin: 30px;}

    </style>

</head>

<body>

    <form>

        1st Number : <input type="text" id="firstNumber" /><br>

        2nd Number: <input type="text" id="secondNumber" /><br>

        <input type="button" onClick="multiplyBy()" Value="Multiply" />

        <input type="button" onClick="divideBy()" Value="Divide" />

    </form>

    <p>The Result is : <br>

    <span id = "result"></span>

</p>

</body>

</html>
```

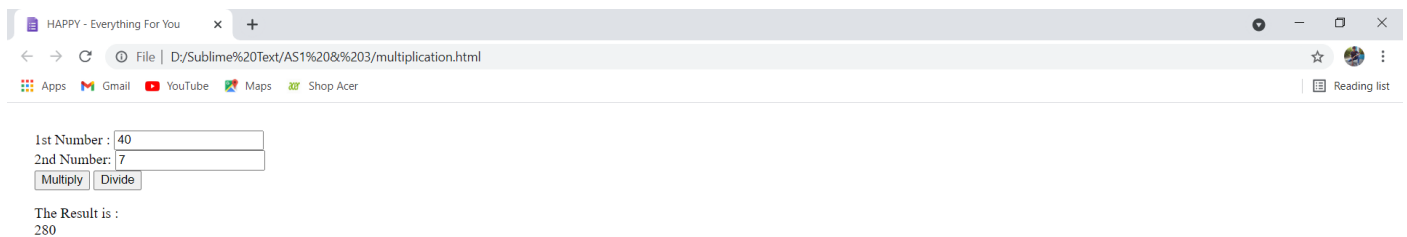
CODE: JAVASCRIPT

```
function multiplyBy()
```

```
{  
    num1 = document.getElementById("firstNumber").value;  
    num2 = document.getElementById("secondNumber").value;  
    document.getElementById("result").innerHTML = num1 * num2;  
}
```

function divideBy()

```
{  
    num1 = document.getElementById("firstNumber").value;  
    num2 = document.getElementById("secondNumber").value;  
    document.getElementById("result").innerHTML = num1 / num2;  
}
```



6. STRING FROM USER AND REVERSE IT

CODE: HTML & JAVASCRIPT

```
<html>
<head>
  <title>
    Reverse a String in JavaScript
  </title>
  <style>
    .results {
      border : green 1px solid;
      background-color : aliceblue;
      text-align : left;
      padding-left : 20px;
      height : 150px;
      width : 95%;
    }

    .resultText {
      font-size : 20px;
      font-style : normal;
      color : blue;
    }
  </style>
</head>
<body>
  <div class = "results">
    <h2> Enter the String </h2>
```

```

    Input: <input type = "text" name = "inputText" id = "inputText"
placeholder="Enter String" required>

    <button type = "button" onclick = "reverseString()" > Submit </button>

    <div class = "resultText">

    <p id = "reveserStringResult"> </p>

    <p id = "result"> </p>

    </div>

</div>

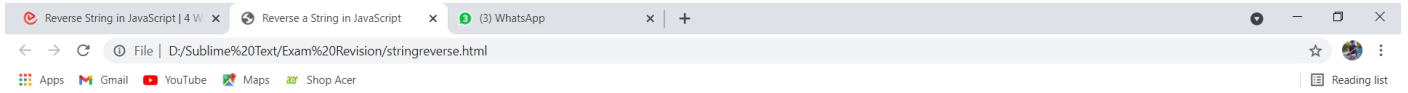
</div>

<script type = "text/javascript">
    function reverseString() {
        input = document.getElementById("inputText").value;
        if(input == "") {
            document.getElementById("reveserStringResult").innerHTML = "
Text ";
            return;
        }
        let reverseResult = "";
        document.getElementById("result").innerHTML = "
        for ( var i = input.length -1; i >= 0; i--) {
            reverseResult = reverseResult + input[i];
        }
        document.getElementById("result").style.color = "blue";
        document.getElementById("reveserStringResult").innerHTML = "Reversed String: " +
reverseResult;
    }
</script>

```

</body>

</html>



7. ACCEPT ANY NUMBER FROM USER AND REVERSE IT

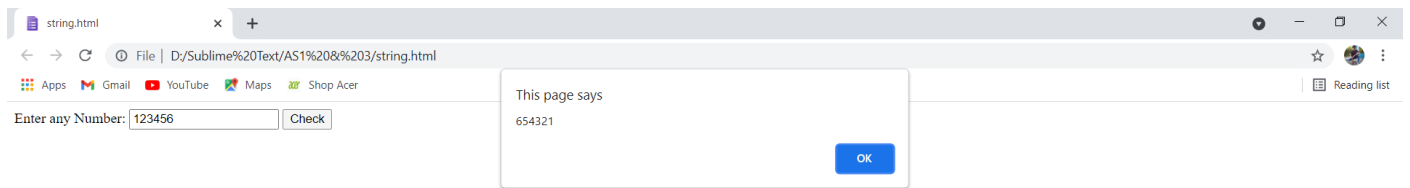
CODE: HTML & JAVACRIPT

```
<html>
<head>
<script>
function palin()
{
var a,no,b,temp=0;

no=Number(document.getElementById("no_input").value);

b=no;
while(no>0)
{
a=no%10;
no=parseInt(no/10);
temp=temp*10+a;
}
alert(temp);
}
</script>
</head>
<body>
Enter any Number: <input id="no_input">
<button onclick="palin()">Check</button></br></br>
</body>
```


</html>



8. SPLIT A STRING AND CONVERT IT INTO ARRAY OF WORDS

CODE: HTML & JAVASCRIPT

```
<!DOCTYPE html>

<html>

<title>HAPPY - Everything For You</title>

<link rel="icon" href="smile l.png" type="image/gif/png" sizes="96*96">

<body>


<h2>JavaScript Strings</h2>


<p id="demo"></p>


<script>

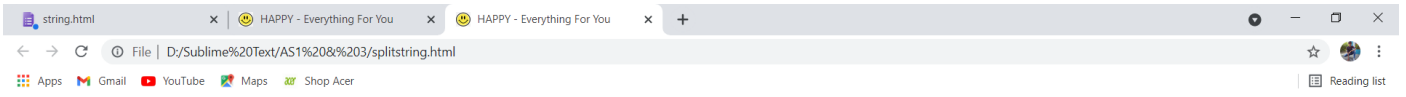
let str = "How are you doing today?";
const myArr = str.split(" ");
document.getElementById("demo").innerHTML = myArr;

</script>


</body>

</html>
```

NIKUNJ SADALIYA WEB DESIGNING PROGRAM



JavaScript Strings

How,are,you,doing,today?



MY PAGE

NIKUNJ SADALIYA

ASSIGNMENT 3

SYBCA B 228

**SMT. Z.S. PATEL COLLEGE OF
COMPUTER APPLICATION**