NAME: NIKUNJ SADALIYA

ROLL NO.: 228

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

1. MAKE SIMPLE CALCULATOR

CODE: HTML

```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;
```

```css
    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"> <br> <br>
  <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 += '+' ">
  <br> <br>


  <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 += '-' ">
  <br> <br>


  <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 += '*' ">
  <br> <br>


  <input type = "button" value = "/" onclick = "form1.answer.value += '/' ">
```
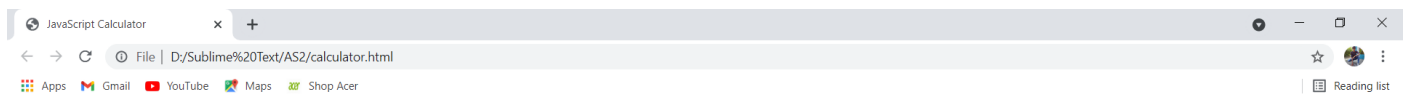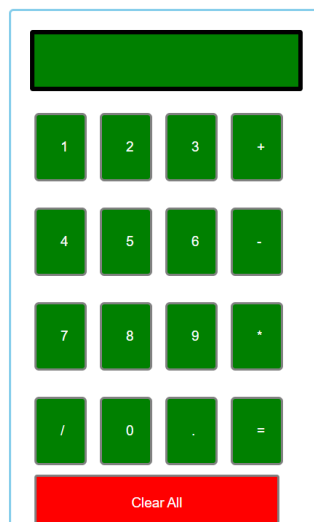
```
<input type = "button" value = "0" onclick = "form1.answer.value += '0' ">

  <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>
```

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>
```
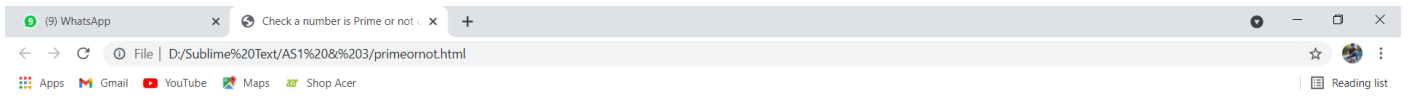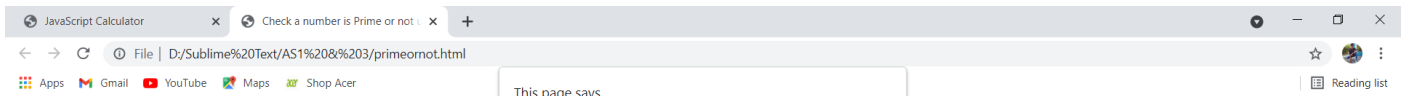
Meet Solution

check number is prime or not

Enter the number: 121

Check

This page says

151 is prime

OK

Enter the number: 151

Check

3. STRING IS PALINDROME OR NOT?

CODE: HTML

```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);
```
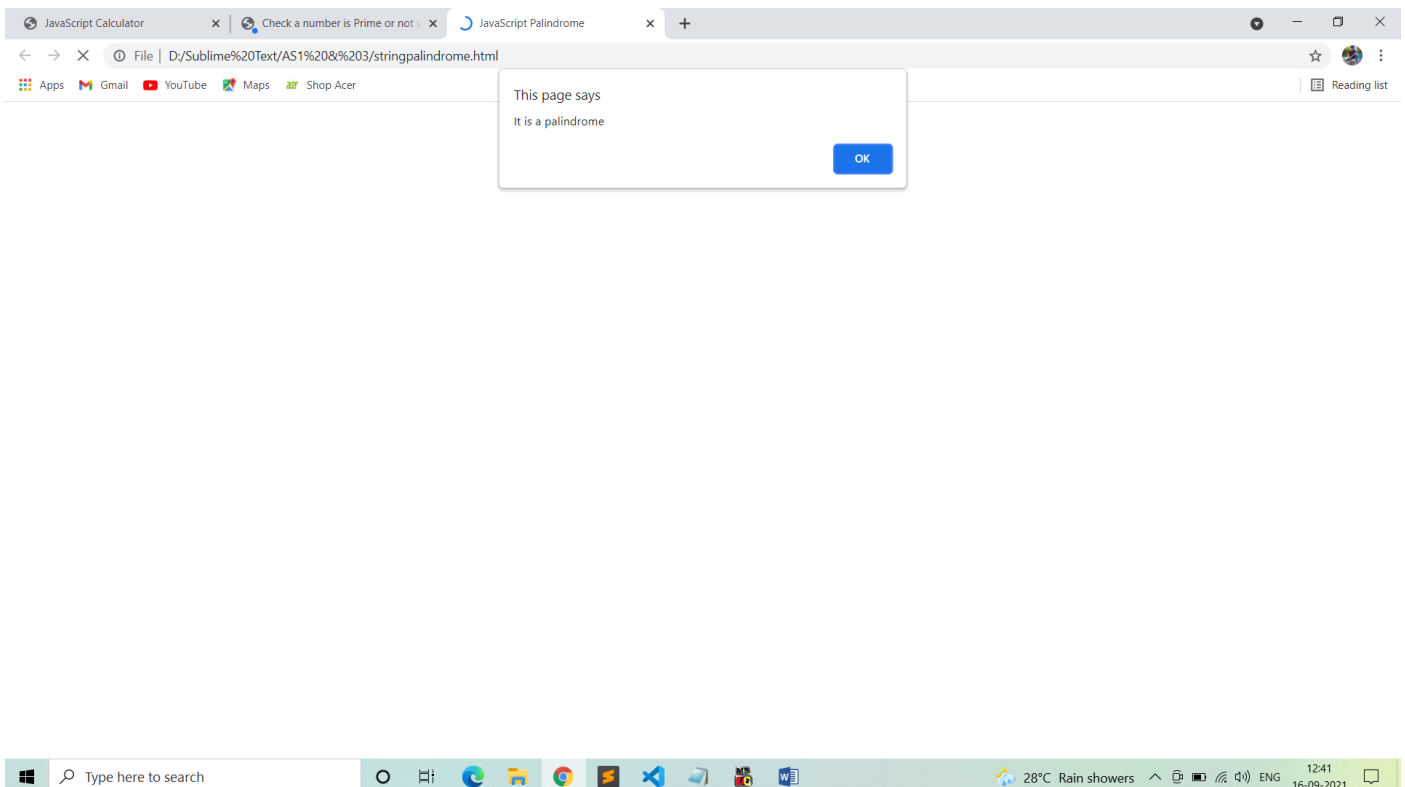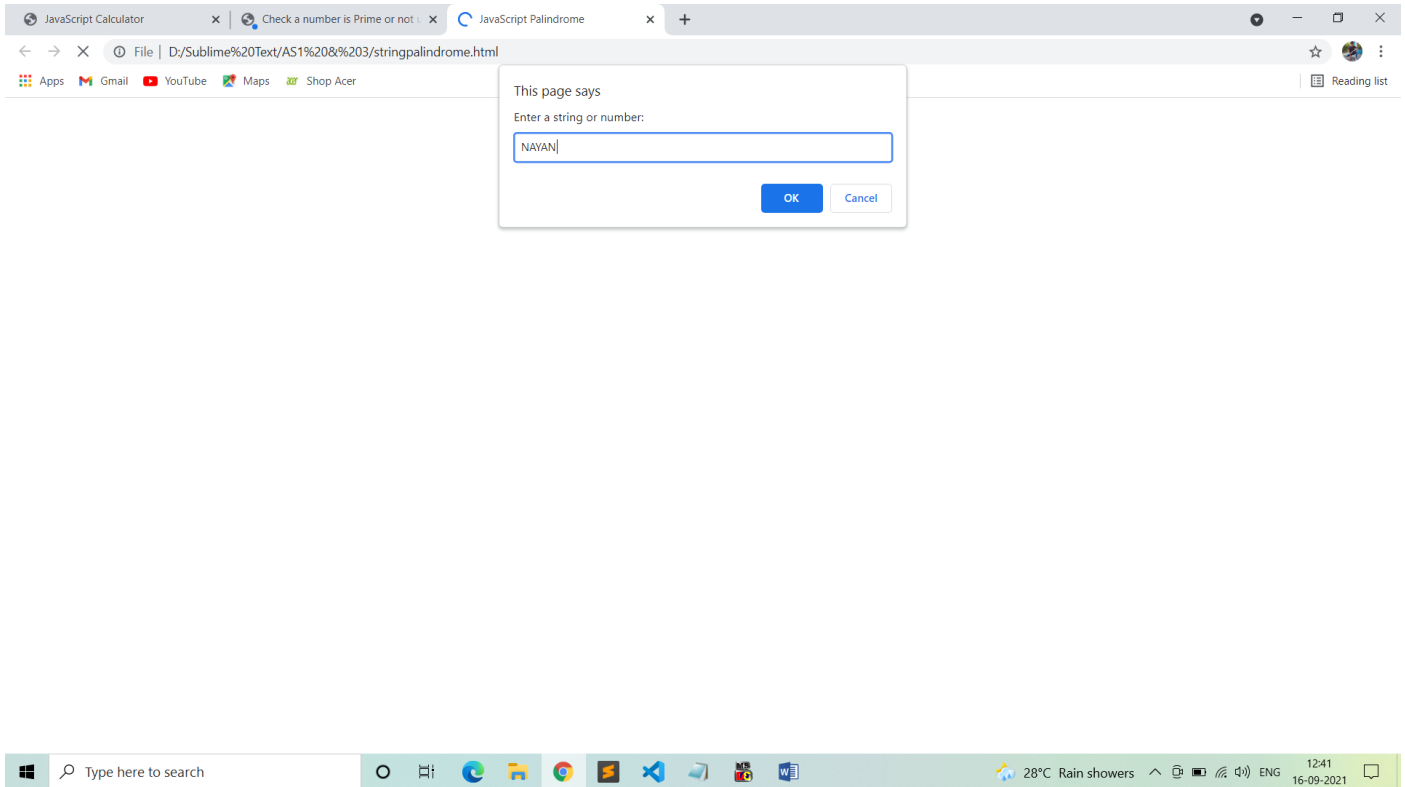
```
</script>

    </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.value)

+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="A1";

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">

<H1 align="center"style="font-family:cambria;font-size:40";><U>STUDENT
MARKSHEET</H1>

<FIELDSET>

<LEGEND> STUDENT INFORMATION </LEGEND>

<TABLE align="center" id="tbl">

<FORM name="form1">

</TR>

<TD width="140">Name:</TD> <TD><INPUT type="text" name="txtname"/></TD>

<TD>    Father Name:</TD><TD> <INPUT type="text"
name="txtfname"/></TD>

</TR>


<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>

</TR>

</TABLE>

</FIELDSET></BR>

<FIELDSET>

<LEGEND> SUBJECTS MARKS </LEGEND>

<TABLE id="tbl2">

<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> </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></TT></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>
```
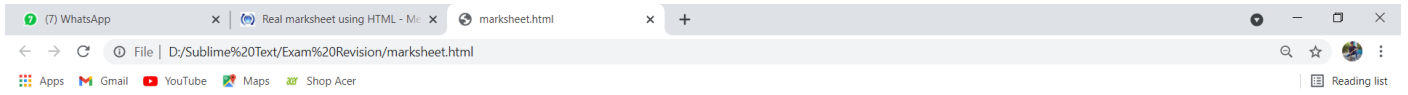
STUDENT MARKSHEET

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="m1.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>
```
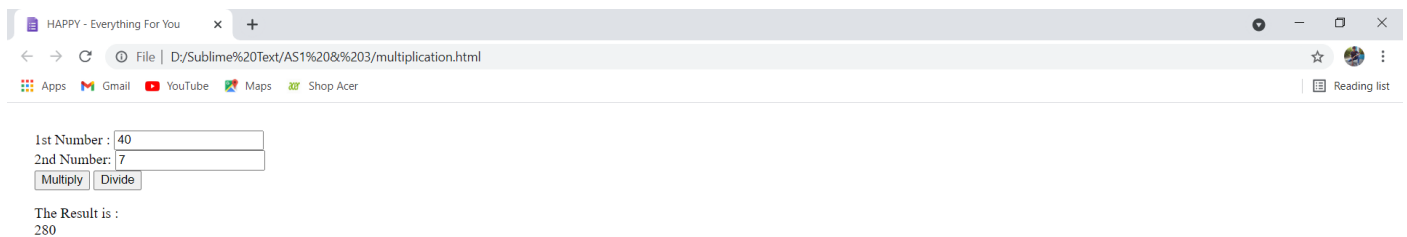
CODE: JAVASCRIPT

```
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>

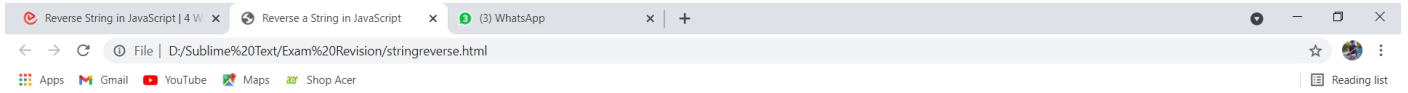<script type = "text/javascript">

    function reverseString() {

        input = document.getElementById("inputText").value;

        if(input == ') {

            document.getElementById("reveserStringResult").innerHTML = ';

            document.getElementById("result").style.color = "red";

            document.getElementById("result").innerHTML = "Please Enter a Valid 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
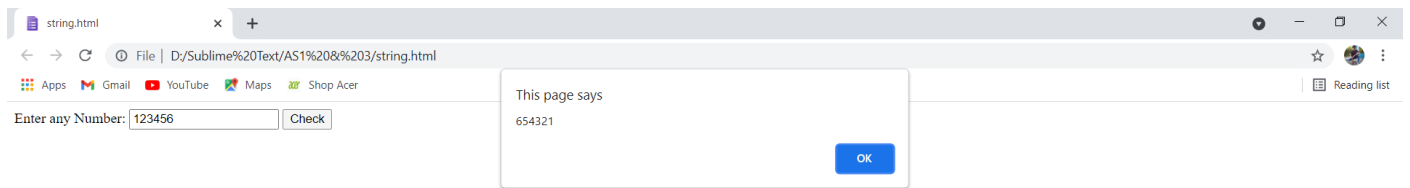
CODE: HTML & JAVACRIPT

```
<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

```html
<!DOCTYPE html>

<html>

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

<link rel="icon" href="smile1.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>
```
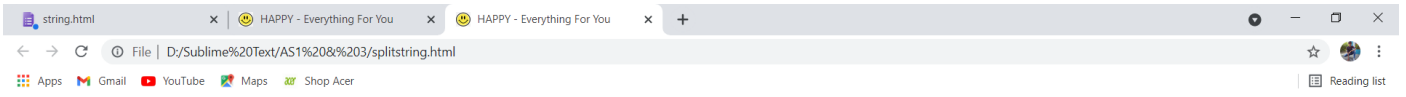
JavaScript Strings

How,are,you,doing,today?

MY PAGE

NIKUNJ SADALIYA

ASSIGNMENT 3

SYBCA B 228

SMT. Z.S. PATEL COLLEGE OF COMPUTER APPLICATION