

➤ **Lab1**

➤ **Question: -**

- **1. WAP to make simple calculator using dialogue box**

```
<script type="text/javascript">
  // user enter his choice
  let a = parseInt(prompt("Enter your choice:-\n Enter 1 for add,\n Enter 2 for sub, \n Enter 3 for
mul,\n Enter 4 for div,\n Enter 5 for mod"));

  // b = 4
  let b = parseInt(prompt("Enter value 1:"));
  // c = 2
  let c = parseInt(prompt("Enter value 2:"));
  switch(a)
  {

    case 1:
      document.write("your Answer is:",b+c);
      // answer is 6
      break;

    case 2:
      document.write("your Answer is:",b-c);
      //answer is 2
      break;


    case 3:
      document.write("your Answer is:",b*c);
      //answer is 8
      break;

    case 4:
      document.write("your Answer is:",b/c);
      //answer is 2
      break;

    case 5:
      document.write("your Answer is:",b%c);
      //answer is
      break;

  }
</script>
```

- 2. WAP to concat two or more strings.



```
<script type="text/javascript">
    let a = prompt("Enter 1 string")
    // a = 'hello'
    let b = prompt("Enter 2 string")
    // b = ' World'
    let c = a.concat(b)
    //answer is 'hello world'
    document.write(" ",c)

    document.write(a+b)
    // answer is 'hello world'

</script>
```

- **3. WAP to demonstrate the use of various inbuilt string functions like**  
**charAt(), charCodeAt(), startsWith(), endsWith(), includes(), indexOf(),**  
**lastIndexOf(), match(), repeat(), replace("", ""), search(),**  
**split(),substr(start, length), sub-string(start, end), toString(), trim().**

```
<script type="text/javascript">
  let str1 = "Hii My Name Darshan University"
  let str2 = 10
  let str3 = "    darshan    "
  document.write("Your String is:",str1)
  //output : 'Your String is:Hii My Name Darshan University'
  document.write("<br>"+"CharAt:"+str1.charAt(5))
  //output : 'CharAt:y'
  document.write("<br>"+"charCodeAt:"+str1.charCodeAt('H'))
  //output : 'charCodeAt:72'
  document.write("<br>"+"startsWith:"+str1.startsWith('H'))
  //output : 'startsWith:true'
  document.write("<br>"+"endsWith:"+str1.endsWith('a'))
  //output : 'endsWith:false'
  document.write("<br>"+"Includes:"+str1.includes('a',0))
  //output : 'Includes:true'
  document.write("<br>"+"indexOf:"+str1.indexOf('a'))
  //output : 'indexOf:8'
  document.write("<br>"+"lastIndexOf:"+str1.lastIndexOf('n'))
  //output : 'lastIndexOf:21'
  document.write("<br>"+"match:"+str1.match('abc'))
  //output : 'match:null'
  document.write("<br>"+"repeat:"+str1.repeat(2))
  //output : 'repeat:Hii My Name Darshan UniversityHii My Name Darshan University'
  document.write("<br>"+"replace:"+str1.replace("University","uni"))
  //output : 'Hii My Name Darshan uni'
  document.write("<br>"+"search:"+str1.search("Rajpara"))
  //output : '-1'
  document.write("<br>"+"split:"+str1.split(" "))
  //output : ['Hii','My','Name','Darshan','uni']
  document.write("<br>"+"substr:"+str1.substr(0,5))
  //output : 'Hii M'
  document.write("<br>"+"substring:"+str1.substring(0,4))
  //output : 'Hii'
  document.write("<br>"+"toString:"+str2.toString())
  //output : '10'
  document.write("<br>"+"trim:"+str3.trim())
  //output : 'darshan'

</script>
```

- **4. WAP to explore inbuilt string functions slice(), toLowerCase(), toUpperCase(), valueOf(), fromCharCode().**

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

    let str1 = "Hii My Name Darshan University"

    document.write("<br>"+"slice:"+str1.slice(5,8))
    //output : 'y N'
    document.write("<br>"+"toLowerCase:"+str1.toLowerCase())
    //output : 'hii my name darshan university'
    document.write("<br>"+"toUpperCase:"+str1.toUpperCase())
    //output : 'HII MY NAME DARSHAN UNIVERSITY'
    document.write("<br>"+"valueOf:"+ str1.valueOf())
    //output : 'Hii My Name Darshan University'
    document.write("<br>"+"fromCharCode:"+ String.fromCharCode(105))
    //output : 'i'
</script>
```