

Experiment-6

Aim: Create a HTML page to explain the use of various predefined functions in a string and math object in java script.

Code:

```
<!doctype html>

<html>

<body bgcolor="skyblue">

<center>

<h2><u>STRING METHOD</u></h2>

</center>

<center>

<p><b>java script string method<b></p>

<script>

    var name="hi,i am javascript";

    document.write(name);

    document.write("<br/>");


    document.write("legth of string is:");

    document.write(name.length);

    document.write("<br/>");


    document.write("index of first occurence of a in string is:");

    document.write(name.indexOf("a"));

    document.write("<br/>");


    document.write("index of last occurence of a in string is:");

    document.write(name.lastIndexOf("a"));
```

```
document.write("<br/>");
```

```
document.write("index of am in string:");
```

```
document.write(name.search("am"));
```

```
document.write("<br/>");
```

```
document.write("index 0 to 3 print using slice:");
```

```
document.write(name.slice(0,4));
```

```
document.write("<br/>");
```

```
document.write("to get substring of string using substring:");
```

```
document.write(name.substring(0,8));
```

```
document.write("<br/>");
```

```
document.write("to get substring of string using substr:");
```

```
document.write(name.substr(0,3));
```

```
document.write("<br/>");
```

```
document.write("string to upper case:");
```

```
document.write(name.toUpperCase());
```

```
document.write("<br/>");
```

```
document.write("replace javascript to java in string:");
```

```
document.write(name.replace("javascript","java"));
```

```
document.write("<br/>");
```

```
document.write("use trim:");
```

```
document.write(name.trim());
```

```
document.write("<br/>");
```

```
document.write("new string that have chacter 5 on string:");
```

```
document.write(name.charAt(5));
```

```
document.write("<br/>");
```

```
document.write("print numeric ASSI value of charecter 5 on string:");
```

```
document.write(name.charCodeAt(5));
```

```
document.write("<br/>");
```

```
</script>
```

```
<center><h2><u>MATH OBJECT</u></h2></center>
```

```
<p><b>math object is a build in object,contains basic mathematical functions and constants<b></p>
```

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

```
document.write("Value of PI in radian: ");
```

```
document.write(Math.PI);
```

```
document.write("<br/>");
```

```
document.write("PI in degree: ");
```

```
document.write(Math.PI*180/Math.PI);
```

```
document.write("<br/>");
```

```
document.write("Value of E: ");
```

```
document.write(Math.E);
```

```
document.write("<br/>");
```

```
document.write("sign of -3, print 1 if it is positive print -1 if it is negetive or print 0 if it is zero: ");
```

```
document.write(Math.sign(-3));  
document.write("<br/>");
```

```
document.write("squareroot of a number 4 is: ");  
document.write(Math.sqrt(4));  
document.write("<br/>");
```

```
document.write("the 2 nd power of 8 is: ");  
document.write(Math.pow(8,2));  
document.write("<br/>");
```

```
document.write("round the value 4.7 is: ");  
document.write(Math.round(4.7));  
document.write("<br/>");
```

```
document.write("round the value 4.4 is: ");  
document.write(Math.round(4.4));  
document.write("<br/>");
```

```
document.write("ceil the value 4.7 is: ");  
document.write(Math.ceil(4.7));  
document.write("<br/>");
```

```
document.write("ceil the value 4.4 is: ");  
document.write(Math.ceil(4.4));  
document.write("<br/>");
```

```
document.write("floor value of the value 4.4 is: ");  
document.write(Math.floor(4.4));
```

```
document.write("<br/>");
```

```
</script>
```

```
</center>
```

```
</body>
```

```
</html>
```

Output:

