

Program : 1

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

Code : Java Script

```
<!doctype html>
<html>
<body bgcolor="grey">
<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>math object is a build in object,contains basic mathematical functions and constents</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 negative 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 :

