

Programme 6: Create a HTML page to explain the use of various predefined functions in a string and math object in java script.

Main.html

```
<!doctype html>
```

```
<html>
```

```
<body bgcolor="grey">
```

```
  <center>
```

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

```
  </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 occurrence 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 character 5 on string:");  
document.write(name.charAt(5));  
document.write("<br/>");
```

```
document.write("print numeric ASCII value of character 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 built in object, contains basic mathematical functions and constants</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("squereroot 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>
```

```
</body>
```

```
</html>
```

