

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

### Main Page.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 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  
constents<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("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/>");
```

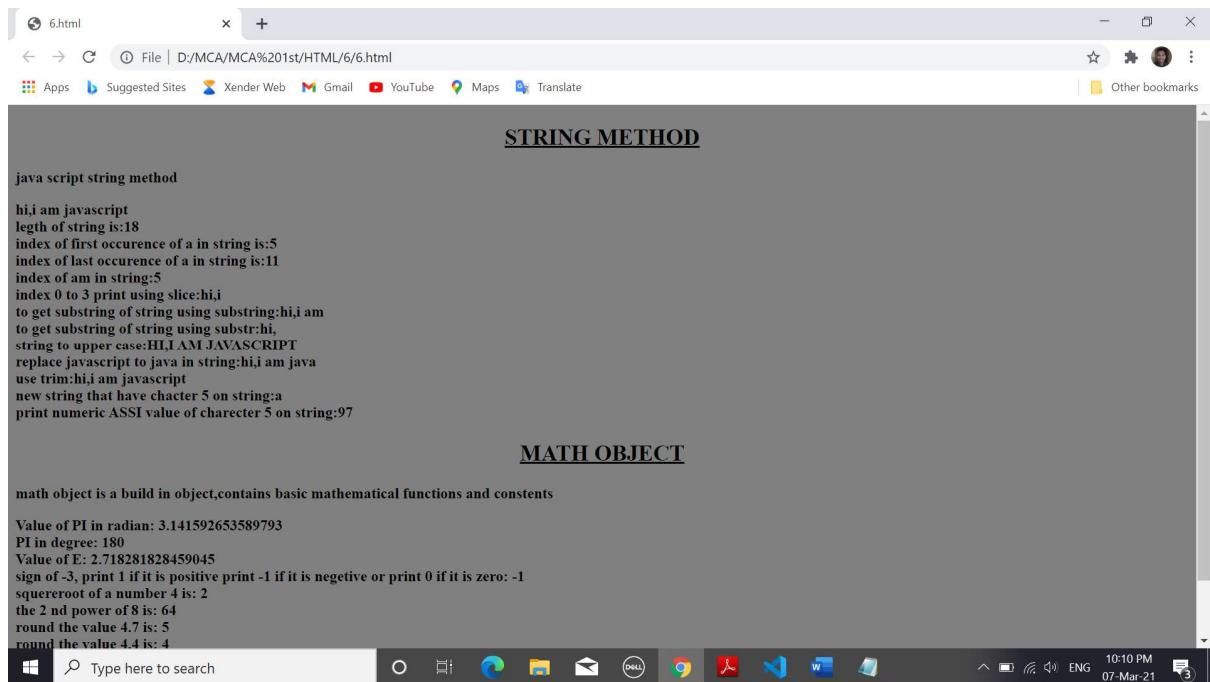
```
document.write("ceil the value 4.7 is: ");  
document.write(Math.ceil(4.7));  
document.write("<br/>");
```

```
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>
```

Output:-



```
6.html
File | D:/MCA/MCA%201st/HTML/6/6.html
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STRING METHOD

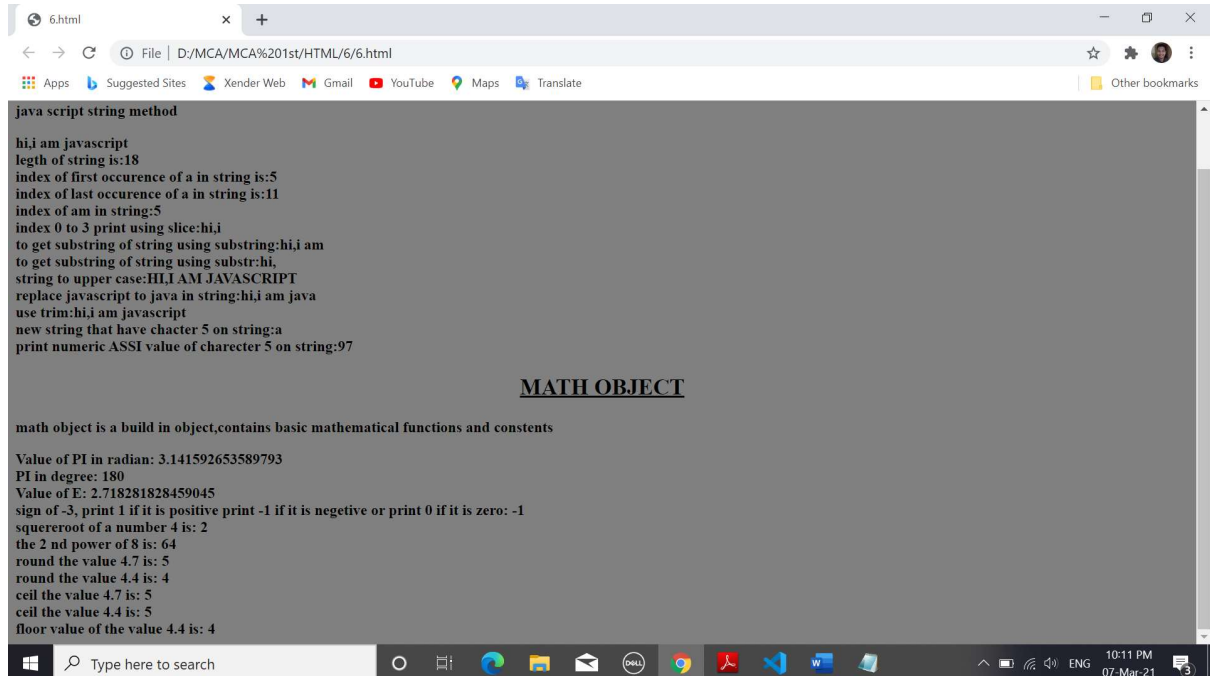
java script string method

hi,i am javascript
legth of string is:18
index of first occurrence of a in string is:5
index of last occurrence of a in string is:11
index of am in string:5
index 0 to 3 print using slice:hi,i
to get substring of string using substring:hi,i am
to get substring of string using substr:hi,
string to upper case:HI,I AM JAVASCRIPT
replace javascript to java in string:hi,i am java
use trim:hi,i am javascript
new string that have chacter 5 on string:a
print numeric ASSI value of charecter 5 on string:97

MATH OBJECT

math object is a build in object,contains basic mathematical functions and constents

Value of PI in radian: 3.141592653589793
PI in degree: 180
Value of E: 2.718281828459045
sign of -3, print 1 if it is positive print -1 if it is negative or print 0 if it is zero: -1
squareroot of a number 4 is: 2
the 2 nd power of 8 is: 64
round the value 4.7 is: 5
round the value 4.4 is: 4
```



```
6.html
File | D:/MCA/MCA%201st/HTML/6/6.html
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index 0 to 3 print using slice:hi,i
to get substring of string using substring:hi,i am
to get substring of string using substr:hi,
string to upper case:HI,I AM JAVASCRIPT
replace javascript to java in string:hi,i am java
use trim:hi,i am javascript
new string that have chacter 5 on string:a
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MATH OBJECT

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PI in degree: 180
Value of E: 2.718281828459045
sign of -3, print 1 if it is positive print -1 if it is negative or print 0 if it is zero: -1
squareroot of a number 4 is: 2
the 2 nd power of 8 is: 64
round the value 4.7 is: 5
round the value 4.4 is: 4
ceil the value 4.7 is: 5
ceil the value 4.4 is: 5
floor value of the value 4.4 is: 4
```