

Program No:-6

AIM:-Create a HTML page to explain the use of various predefined functions in a string and math objects in java script

CODE:-

```
<!doctype html>
<html>
<body>
<center>
<h2><u><font color="maroon">STRING METHOD</u></h2>
</center>
<center>
<p><b>java script string method<b></p>
<script>
    var name="hi,i am Mahshana";
    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 mahshana to supercool in string:");
document.write(name.replace("mahshana","supercool"));
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 8 is: ");
document.write(Math.sqrt(8));
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 6.7 is: ");
document.write(Math.round(6.7));
document.write("<br/>");
```

```
document.write("round the value 4.6 is: ");
document.write(Math.round(4.6));
document.write("<br/>");
```

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

```
document.write("ceil the value 4.6 is: ");
document.write(Math.ceil(4.6));
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:-

