1. 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:-



