<!DOCTYPE html>

<html>

    <head>

        <tittle style="color:darkkhaki"><strong>JS MATH FUNCTION OBECT: </strong></tittle>

        <style>

            body {

                background-color:cornsilk;

                color:cornflowerblue;

            }

        </style>

    </head>

    <body>

        <P style="color:chocolate"><strong> 1.Javascript Math.PI: </strong></P>

        <p> Math.PI returns the ratio of a circle's circumference to its diameter: </p>

        <p id = "demo 1"></p>

        <script>

            document.getElementById("demo 1").innerHTML = Math.PI;

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong> 2.Javascript Math Properties (Constant): </strong></P>

        <p id = "demo 2"></p>

        <script>

            document.getElementById("demo 2").innerHTML = "<p><b>Math.E: </b><br>" + Math.E + "</p>" + "<p><b>Math.SQRT2: </b><br>" + Math.SQRT2 + "</P>" + "<p><b>Math.SQRT1\_2: </b><br>" + Math.SQRT1\_2 + "</p>" + "<P><b>Math.LN2: </b><br>" + Math.LN2 + "</p>" + "<p><b>Math.LN10: </b><br>" + Math.LN10 + "</P>" + "<p><b>Math.LOG2E: </b><br>" + Math.LOG2E + "</p>" + "<p><b>Math.Log10E: </b><br>" + Math.LOG10E + "</p>";

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>3.Javascript Math.round(): </strong></P>

        <p> Math.round(x) returns the value of x rounded to its nearest integer: </p>

        <p id = "demo 3"></p>

        <script>

            document.getElementById("demo 3").innerHTML = Math.round(8.4);

        </script>

        <p id = "demo 4"></p>

        <script>

            document.getElementById("demo 4").innerHTML = Math.round(7.5);

        </script>

        <p id = "demo 5"></p>

        <script>

            document.getElementById("demo 5").innerHTML = Math.round(3.6);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>4.Javascript Math.ceil(): </strong></P>

        <p> Math.ceil(x) rounds a number <strong>up</strong> to its nearest integer: </p>

        <p id = "demo 6"></p>

        <script>

            document.getElementById("demo 6").innerHTML = Math.ceil(8.2);

        </script>

        <p id = "demo 7"></p>

        <script>

            document.getElementById("demo 7").innerHTML = Math.ceil(-8.2);

        </script>

        <p id = "demo 8"></p>

        <script>

            document.getElementById("demo 8").innerHTML = Math.ceil(3.4);

        </script>

        <p id = "demo 9"></p>

        <script>

            document.getElementById("demo 9").innerHTML = Math.ceil(4.7);

        </script>

        <p id = "demo 10"></p>

        <script>

            document.getElementById("demo 10").innerHTML = Math.ceil(6.9);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>4.Javascript Math.floor(): </strong></P>

        <p> Math.floor(x) rounds a number <strong>down</strong> to its nearest integer: </p>

        <p id = "demo 11"></p>

        <script>

            document.getElementById("demo 11").innerHTML = Math.floor(8.2);

        </script>

        <p id = "demo 12"></p>

        <script>

            document.getElementById("demo 12").innerHTML = Math.floor(-8.2);

        </script>

        <p id = "demo 13"></p>

        <script>

            document.getElementById("demo 13").innerHTML = Math.floor(4.4);

        </script>

        <p id = "demo 14"></p>

        <script>

            document.getElementById("demo 14").innerHTML = Math.floor(6.7);

        </script>

        <p id = "demo 15"></p>

        <script>

            document.getElementById("demo 15").innerHTML = Math.floor(2.9);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>5.Javascript Math.trunc(): </strong></P>

        <p> Math.trunc(x) returns the integer part of x: </p>

        <p id = "demo 16"></p>

        <script>

            document.getElementById("demo 16").innerHTML = Math.trunc(8.2);

        </script>

        <p id = "demo 17"></p>

        <script>

            document.getElementById("demo 17").innerHTML = Math.trunc(-8.2);

        </script>

        <p id = "demo 18"></p>

        <script>

            document.getElementById("demo 18").innerHTML = Math.trunc(4.4);

        </script>

        <p id = "demo 19"></p>

        <script>

            document.getElementById("demo 19").innerHTML = Math.trunc(6.7);

        </script>

        <p id = "demo 20"></p>

        <script>

            document.getElementById("demo 20").innerHTML = Math.trunc(2.9);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>6.Javascript Math.sign(): </strong></P>

        <p> Math.sign(x) returns if x is negative, null or positive: </p>

        <p id = "demo 21"></p>

        <script>

            document.getElementById("demo 21").innerHTML = Math.sign(-4);

        </script>

        <p id = "demo 22"></p>

        <script>

            document.getElementById("demo 22").innerHTML = Math.sign(0);

        </script>

        <p id = "demo 23"></p>

        <script>

            document.getElementById("demo 23").innerHTML = Math.sign(4);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>7.Javascript Math.pow(): </strong></P>

        <p> Math.pow(x, y) returns the value of x to the power of y: </p>

        <p id = "demo 24"></p>

        <script>

            document.getElementById("demo 24").innerHTML = Math.pow(9, 2);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>8.Javascript Math.sqrt(): </strong></P>

        <p> Math.sqrt(x) returns the square root of x: </p>

        <p id = "demo 25"></p>

        <script>

            document.getElementById("demo 25").innerHTML = Math.sqrt(81);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>9.Javascript Math.abs(): </strong></P>

        <p> Math.abs(x) returns the absolute (positive) value of x: </p>

        <p id = "demo 26"></p>

        <script>

            document.getElementById("demo 26").innerHTML = Math.abs(-5.8);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>10.Javascript Math.sin(): </strong></P>

        <p> Math.sin(x) returns the sine (a value between -1 and 1) of the angle x (given in radians): <br> Angle in radians = (angel in degrees) \* PI / 180. </p>

        <p id = "demo 27"></p>

        <script>

            document.getElementById("demo 27").innerHTML = "The sine value of 90 degrees is " + Math.sin(90 \* Math.PI / 180);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>11.Javascript Math.cos(): </strong></P>

        <p> Math.cos(x) returns the cosine (a value between -1 and 1) of the angle x (given in radians): <br>Angle in radians (angle in degrees) \* PI / 180.</p>

        <p id = "demo 28"></p>

        <script>

            document.getElementById("demo 28").innerHTML = "The cosine value of 0 degrees is " + Math.cos(0  \* Math.PI / 180);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>12.Javascript Math.min(): </strong></P>

        <p> Math.min(x) returns the lowest value in a list of arguments: </p>

        <p id = "demo 29"></p>

        <script>

            document.getElementById("demo 29").innerHTML = Math.min(0, 150, 30, 20, -8, -200);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>13.Javascript Math.max(): </strong></P>

        <p> Math.max(x) returns the highest value in a list of arguments: </p>

        <p id = "demo 30"></p>

        <script>

            document.getElementById("demo 30").innerHTML = Math.max(0, 150, 30, 20, -8, -200);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>14.Javascript Math.random(): </strong></P>

        <p> Math.random() returns a random number between 0 (inclusive), and 1 (exclusive): </p>

        <p id = "demo 31"></p>

        <P>Tip: Click on"Run" several times.</P>

        <script>

            document.getElementById("demo 31").innerHTML = Math.random();

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>15.Javascript Math.log(): </strong></P>

        <p> Math.log() returns the natural logarithm of a number: </p>

        <p id = "demo 32"></p>

        <script>

            document.getElementById("demo 32").innerHTML = Math.log(1);

        </script>

        <p id = "demo 33"></p>

        <script>

            document.getElementById("demo 33").innerHTML = Math.log(2);

        </script>

        <p id = "demo 34"></p>

        <script>

            document.getElementById("demo 34").innerHTML = Math.log(3);

        </script>

        <p id = "demo 35"></p>

        <script>

            document.getElementById("demo 35").innerHTML = Math.log(10);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>14.Javascript Math.log2(): </strong></P>

        <p> Math.log2() returns the base 2 logarithm of x: <br><p>How many times must we multiply 2 to get 8? </p>

        <p id = "demo 36"></p>

        <script>

            document.getElementById("demo 36").innerHTML = Math.log2(8);

            document.write("<hr>");

        </script>

        <P style="color:chocolate"><strong>15.Javascript Math.log10(): </strong></P>

        <p> Math.log10() returns the base 10 logarithm of x:<br><p>How many times must we multiply 10 to get 1000?</p>

        <p id = "demo 37"></p>

        <script>

            document.getElementById("demo 37").innerHTML = Math.log10(1000);

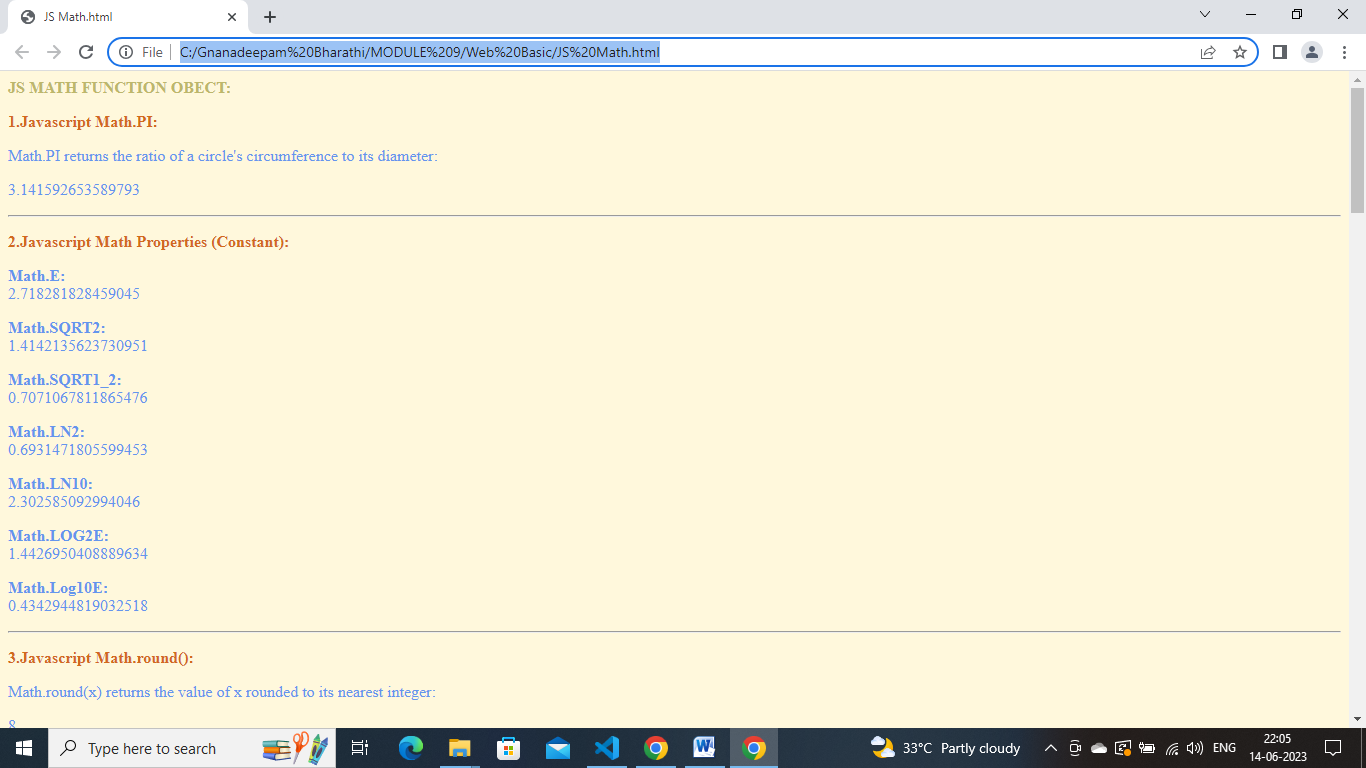
            document.write("<hr>");

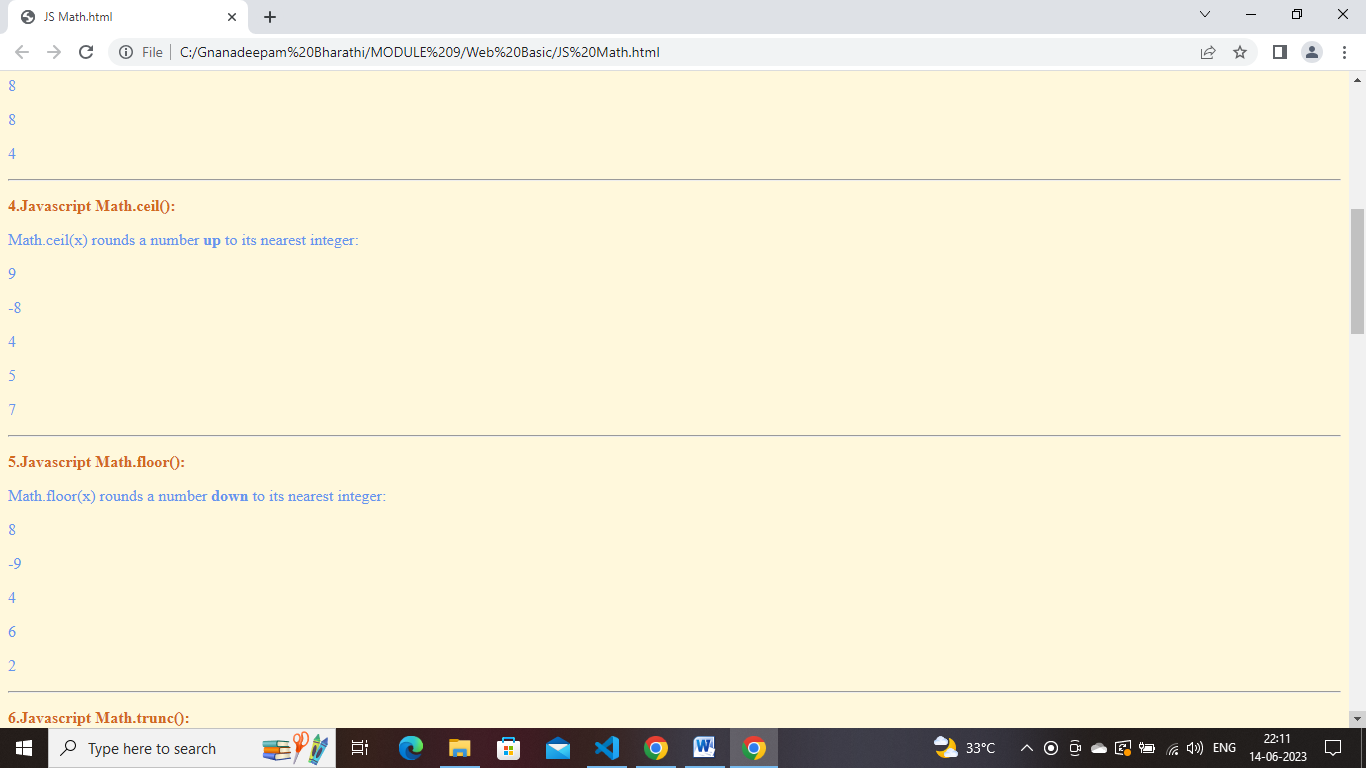
        </script>

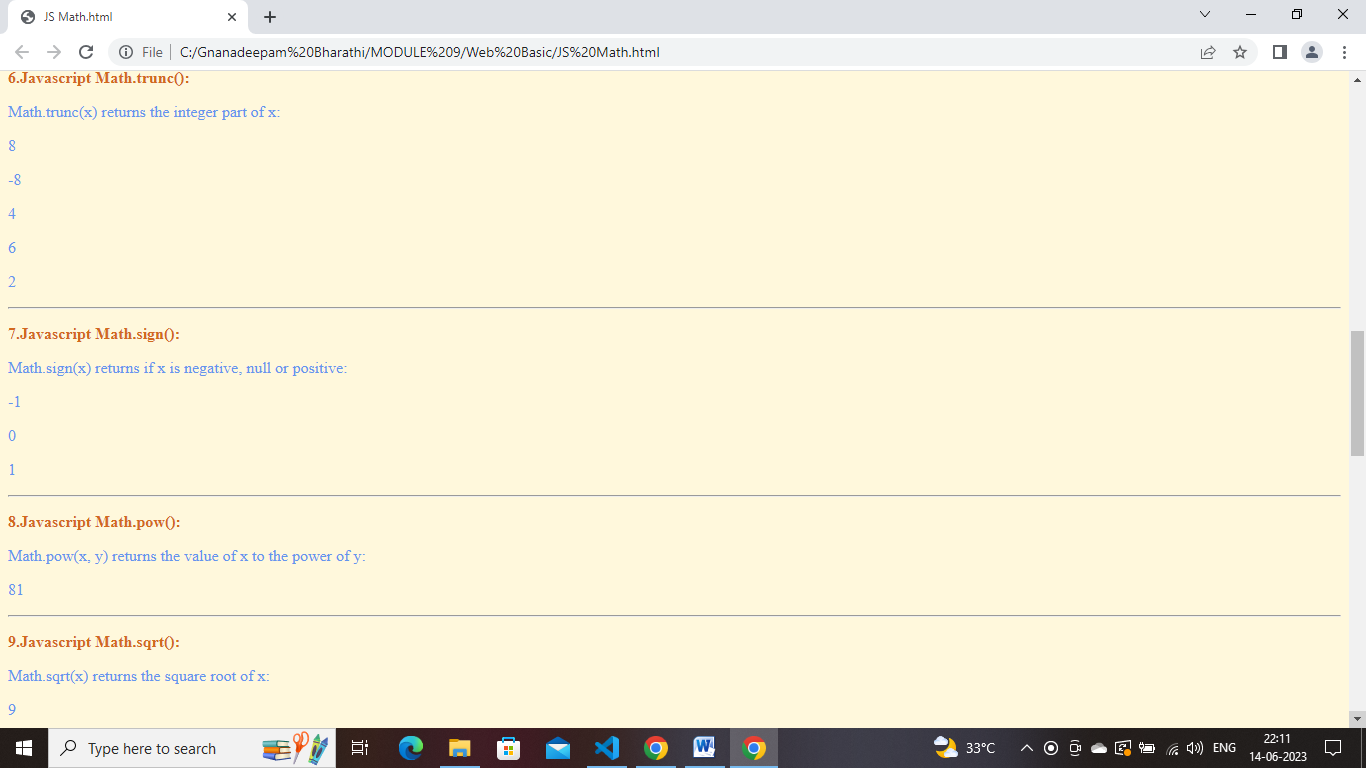
    </body>

</html>

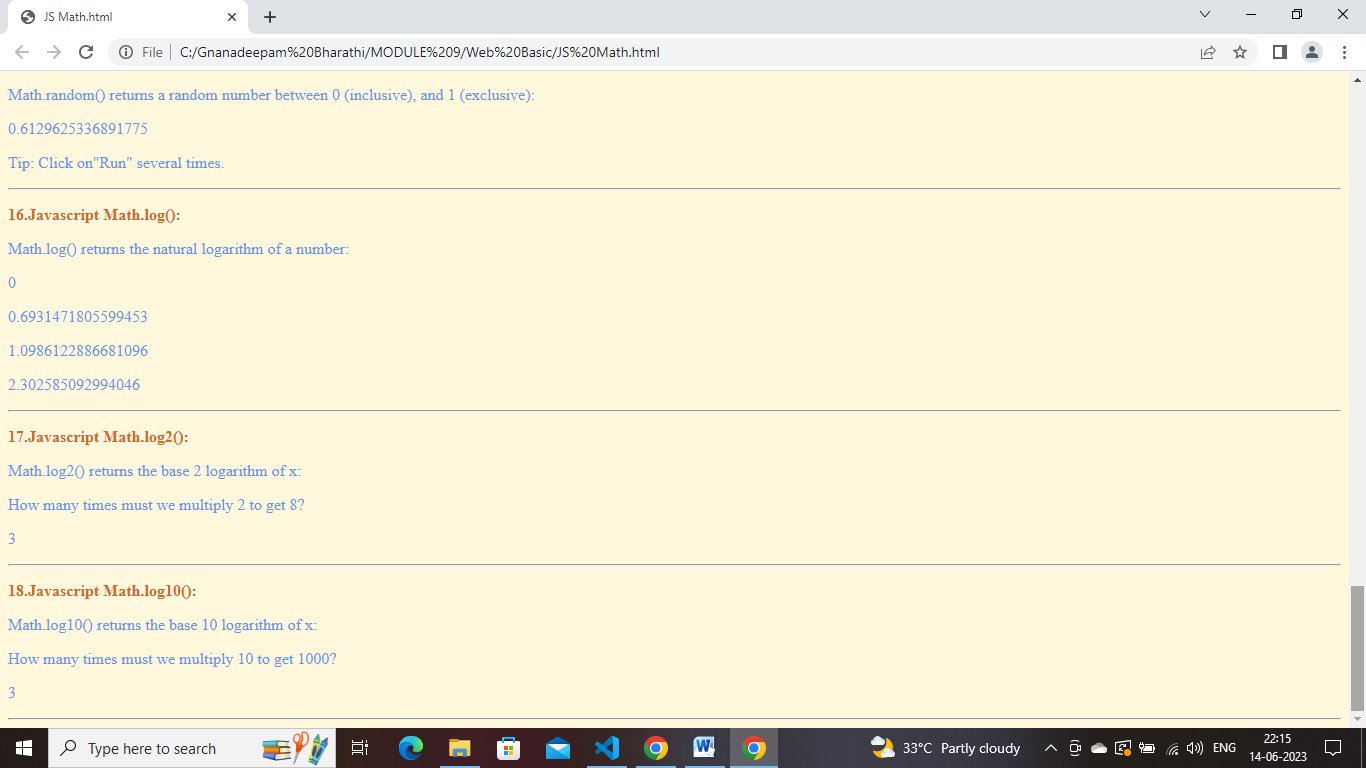
**OUTPUT:**







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