**PROGRAM 6**

<html>

<body bgcolor="pink">

<script>

document.writeln("<h2><u>Math Object Properties</h2></u>"+"<br>")

document.writeln("Euler's number is : ",Math.E+"<br>")

document.writeln("Value of PI is : ",Math.PI+"<br>")

document.writeln("Square root of 2 is : ",Math.SQRT2+"<br>")

document.writeln("Square root of 1/2 is : ",Math.SQRT1\_2+"<br>")

document.writeln("Log 2 is : ",Math.LN2+"<br>")

document.writeln("Log 10 is : ",Math.LN10+"<br>")

document.writeln("Log E to the base 2 is : ",Math.LOG2E+"<br>")

document.writeln("Log E to the base 10 is : ",Math.LOG10E+"<br><br>")

document.writeln("<h2><u>Methods in Math Object</h2></u>"+"<br>")

document.writeln("Absolute value of -5 is : ",Math.abs(-5)+"<br>")

document.writeln("cube root of 27 is : ",Math.cbrt(27)+"<br>")

document.writeln("Round up 2.45 : ",Math.ceil(2.45)+"<br>")

document.writeln(Math.exp(3)+"<br>")

document.writeln("2 to the power 3 is : ",Math.pow(2,3)+"<br>")

document.writeln("Minimum of 5, 2 and 1 is : ",Math.min(5,2,1 )+"<br>")

document.writeln("Maximum of 7,10, 3 and 1 is : ",Math.max(7,10,3,1)+"<br>")

document.writeln("Square root of 25 is : ",Math.sqrt(25)+"<br>")

document.writeln("Truncated value of 4.56 is ",Math.trunc(4.56)+"<br>")

document.writeln("Rounded value of 6.2 is ",Math.round(6.2)+"<br>")

document.writeln("Random number is ",Math.random()+"<br>")

document.writeln("<h2><u>String Functions</h2></u>"+"<br>")

var s1="Welcome to JS Programming"

document.writeln("Normal text: ",s1,"<br>")

var s4=s1.toUpperCase()

document.writeln("Upper case: ",s4,"<br>")

document.writeln("Lower case: ",s4.toLowerCase(),"<br>")

var s5=" Hello ";

document.writeln("Concatenation of hello and welcome to js programming: ",s5.concat(s1),"<br>")

document.writeln("Slice: ",s1.slice(10,25),"<br>")

document.writeln("Third index: ",s1.charAt(3),"<br>")

document.writeln("Replace JS with javascript: ",s1.replace("JS","Java Script"),"<br>")

</script>

</body>

</html>