**String Manipulation Functions:**

Reverse a String:

function reverseString(str) { return str.split('').reverse().join(''); }

Count Characters :

function countCharacters(str)

{ return str.length; }

Capitalize Words

function capitalizeWords(sentence) {

let words = sentence.split(' ');

let capitalizedSentence = '';

for (let i = 0; i < words.length; i++)

{ let word = words[i];

let capitalizedWord = word.charAt(0).toUpperCase() + word.slice(1);

capitalizedSentence += capitalizedWord + ' '; }

return capitalizedSentence ; }

**Array Functions:**

Find Maximum and Minimum:

function findMax(arr)

{ let max = arr[0];

for (let i = 1; i < arr.length; i++)

{

if (arr[i] > max)

{ max = arr[i]; } } return max; }

Sum of Array

function sumArray(arr)

{ let sum =0;

for (let i = 0; i < arr.length; i++)

{ sum += arr[i]; }

return sum; }

Filter Array

function filterArray(arr, condition)

{ return arr.filter(condition); }

**Mathematical Functions:**

Factorial

function factorial(n) { let result = 1; for (let i = 2; i <= n; i++) { result \*= i; } return result ;}

Prime Number Check:

function isPrime(num)

{for (let i = 2; i <= Math.sqrt(num); i++)

{ if (num % i === 0) { return false ; }

else

return true; }