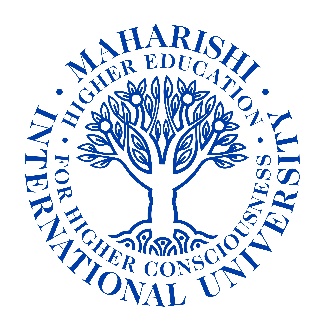
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**Question 1)** Write a function that will take two numbers and return the sum

Return value: sum of numbers.

**Answer:**

function calSum(){

let x = parseInt(prompt("please enter the first number:"));

let y = parseInt(prompt("please enter the second number:"));

let z= x + y;

return z;

}

let sum = calSum();

console.log(sum);

**Question 2)** Write a function that takes two parameters, width and height, and returns the area of a rectangle. Assume both width and height are positive numbers.

Return value: the area of a rectangle.

**Answer:**

function recArea(w, h){

let area = (w \*h);

return area;

}

let result = recArea(5,5);

console.log(result);

**Question 3)** Write a function that will take a text and a character and how many occurrences of that character. (Occurrences in the text)

Return value: number of occurrences.

**Answer:**

function countCharOccurrences(){

let count = 0;

let char = prompt("please enter the character:")

let text = prompt("Please enter the text string:")

for(let i =0; I <text.length; i++){

if (text[i] === char){

count++;

}

}

return count;

}

let result = countCharOccurrences();

console.log(result);

**Question 4)** Write a function for a coin flip, that will produce a random choice of ‘H’ or ‘T’ and display it on the console.

No return value, just display the result.

**Answer:**

function coinFlip(){

let result =Math.floor(Math.random() \* 2);

if(result === 0){

console.log("H")

}else if(result === 1){

console.log("T")

}

}

coinFlip();

**Question 5)** Write a function called calculateFactorial that takes a positive integer **n** as a parameter and returns the factorial of n. The factorial of a non-negative integer n is the product of all positive integers less than or equal to **n**.

Return value: Factorial of n

**Answer:**

function calculateFactorial(n){

if(n === 0 || n === 1){

return 1

}else{

return n\*calculateFactorial(n-1);

}

}

let n = parseInt(prompt("please enter the positive integer:"));

let factorial = calculateFactorial(n);

console.log(factorial);

Notes: **Function**

**Example: 1**

let name = "Rajan";

function greeting(){

let message = "Hello! " + name;

console.log(message);}

greeting(); // Hello! Rajan

**Example: 2**

let name = "Rajan";

function greeting(){

let name = "Kamal";

let message = "Hello! " + name;

console.log(message);

}

greeting();

console.log(name);

**Example:3**

let name = "Rajan";

function greeting(){

name = "Kamal";

let message = "Hello! " + name;

console.log(message);

}

greeting();

console.log(name);

**Example: 4**

let name = "Rajan";

function greeting(){

name = "Kamal";

let message = "Hello! " + name;

console.log(message);

}

function greetingName(name){

name = "Gandagi";

let message = "Hello! " + name;

console.log(message);

}

greeting();

greetingName();

console.log(name);