QUES 1)

function findareaandperimeter() {

var a = parseInt(prompt("enter length"));

var b = parseInt(prompt("enter width"));

console.log("area is",a\*b);

console.log("perimeter is",2\*(a+b));

}

undefined

findareaandperimeter();

VM2919:4 area is 108

VM2919:5 perimeter is 42

undefined

OTHER WAY :

const length = parseFloat(prompt("Enter the length of the rectangle:"));

const width = parseFloat(prompt("Enter the width of the rectangle:"));

const area = length \* width;

const perimeter = 2 \* (length + width);

console.log(`The area of the rectangle is: ${area}`);

console.log(`The perimeter of the rectangle is: ${perimeter}`);

VM2305:7 The area of the rectangle is: 400

VM2305:8 The perimeter of the rectangle is: 80

QUES 02) TYPES OF FUNCTION

NAMED FUNCTION:

function Calc(){

var add = function addition(x, y){

return x + y;

}

var sub = function subtraction(x, y){

return x - y;

}

return [add, sub];

}

undefined

var h=Calc();

undefined

h;

(2) [ƒ, ƒ]0: ƒ addition(x, y)1: ƒ subtraction(x, y)length: 2[[Prototype]]: Array(0)

f[0](6,9);

15

f[1](99,562);

-463

ANONYMOUS FUNCTION:

function Calc(){

var add = function(x, y){

return x + y;

}

var sub = function(x, y){

return x - y;

}

return [add, sub];

}

undefined

var f = Calc();

undefined

f;

(2) [ƒ, ƒ]0: ƒ (x, y)1: ƒ (x, y)length: 2[[Prototype]]: Array(0)

f[0](2,5);

7

f[1](3,8);

-5

NAMED EXPRESSION FUNCTION:

const factorial = function calcFactorial(num) {

if (num <= 1) {

return 1;

} else {

return num \* calcFactorial(num - 1);

}

};

undefined

const result = factorial(5);

console.log(result);

VM1956:2 120

undefined

ARROW FUNCTION:

const addition =(x,y)=>x+y;

undefined

typeof addition;

'function'

addition(20,23);

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const addition2 = (x,y)=>{

console.log(x,y);

return x+y;

}

undefined

typeof addition2;

'function'

addition2(20,50);

VM459:2 20 50

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