//Functions:

//JavaScript function is a set of statements that take inputs, do some specific computation, and produce output.

// A JavaScript function is executed when “something” invokes it (calls it).

// function userName(p1, p2) {

//code to be execute

// }

//return something

// name(a1, a2)

// call the fuction

// Example 1:

//Default

*function* userName() {

  console.log("Rohit");

}

userName();

// Example 2:

//with parameter

*function* myFunction(*a*, *b*) {

  console.log(a + b);

}

myFunction(10, 20);

// a, b are parameters

// 10 , 20 is arguments

// Example 3:

//default arguments

*function* sum(*a* = 5, *b* = 2) {

  console.log(*a* + *b*);

}

sum();

// Example 4:

*function* sum(*a*, *b*) {

  return *a* + *b*;

  console.log("sum");

}

console.log(sum(2, 3));

// Example 5:

*function* myFunction1(*g1*, *g2*) {

  return *g1* / *g2*;

}

*const* value = myFunction1(8, 2); // Calling the function

console.log(value);

//scope : scope is detrmine the visiblity of varables

// 1. Block Scope:

//Example:

// {

// let x = 2;

// }

// 2. fuction scope:

// function sum()

// {

// }

//Example:

// let x = 10; => global varable --> access in outside of fuction or in programe

// function myFunction() {

// }

// function sum() {

//     let x = 10; => local varable --> access with in fuction

// }

// Fuction Expression :

//Syntax : let user = function(para1, para2){

//set of stament

// }

//Example:

*let* square = *function* (*num*) {

  return *num* \* *num*;

}

*let* x = square(5)

console.log(x);

//Arrow Fuctions:

//Syntax : let myFuction = (a,b) => a\*b;

*let* add = (*a*, *b*) *=>* *a* + *b*;

console.log(add(3,2));