//Task 1

//What does the following code print and why?

function sayHi() {

return "Hi!";

}

console.log(sayHi);

console.log(sayHi());

//Task 2

//What does the following code print and why?

let x = 5;

function double(x) {

x = x \* 2;

}

double(x);

console.log(x);

//Task 3

//functions expressions

//What does the following code print and why?

greet();

const greet = function() {

console.log("Hello!");

};

//Task 4

//What does the following code print and why?

function calculate(num) {

let result = num \* 2;

}

let final = calculate(10);

console.log(final);

//Task 5

//Which function is the call back and when does it run?

function greet(name, callback) {

console.log("Hello, " + name);

callback();

}

function sayBye() {

console.log("Goodbye!");

}

greet("Ayesha", sayBye);

//Task 6

//

What will this print and why?

function counterMaker() {

let count = 0;

return function () {

count++;

console.log(count);

};

}

const counter1 = counterMaker();

counter1();

counter1();

const counter2 = counterMaker();

counter2();