    // This is where the code you're actually experimenting with goes.

    /\* this is example of multiline comment

    Author Josh M \*/

    //Primitive Types

    //sting = "Hello World!" = series of characters = "1234"

    //boolean = true/false = 0/1

    //number = 1234

    //BigInt = a very large number

    //Symbol

    //undefined

    //Structural Types

    //Objects

    //Functions

    //Structural Toot Primitive

    //Null = defined but lacks a value

    //Undefined = something doesn't exist and is not defined

    //Null = variable is defined, but does not have a value

    //Variables

    //var = global variable, bad practice, do not use if possible

    //let = when we want variable that can be reassigned a value

    //const = when we want a variable to have a protected value

    const pi = 3.1415;

    output(pi);

    let myStatement = "Hello Class!";

    output(myStatement);

    let myBoolean = 0;

    output(myBoolean);

    let myString = "1234";

    output(Number(myString)+1);

    //Variable Scope

    {

        let myPhrase = "My Phrase";

        output(myPhrase);

    }

    let myString2 = "";

    let myNull = null;

    output(myNull)

    let one = "one";

    let One = "two";

    output(One)

    output(one)

    let first = "string";

    let second = 2;

    let third = false;

    output(typeof(first));

    output(typeof(2));

    output(typeof(third))

    //string Operations

    //Concatenation

    let myGreeting = "Hello My name is:";

    output(myGreeting + "Josh" + "Mackenzie");

    //toupperCase

    output(myGreeting.toLocaleUpperCase());

    //toLowerCase

    output(myGreeting.toLowerCase());

    //includes

    output("Hello my name is Josh".includes("Josh"));

    //slice

    output("Hello".slice(1,3));

    //h e l l o

    //0 1 2 3 4

    //HR12345

    //First Two Characters are the form type

    //All other characters are the form number

    //replace

    output("hello World!".replace("!","?"));

    //Numeric Operations

    let addition = 1 + 1;

    let subtraction = 1 - 1;

    let multiplication = 2 \* 2;

    let modulus = 9 % 4;

    //parseFloat

    output(typeof(parseFloat("3.14")));

    //ParseInt

    output(parseInt("3.14"));

    output(1 + "1");

    output(1 + 1);

    output(1 + 2 + 3 + "4");

    //Math class

    //Math .round = round either up or down, depending on the decimal

    //Math .floor = always rounds down(even if we have 9.99, rounds to 9)

    //Math .ceil = always rounds up (even if we have 9,99, rounds to 10)

    //Increment and decrement

    let myNumber = 5;

    myNumber++;

    myNumber--;

    myNumber += 5;

    myNumber -= 10;

    //NaN = not a number

    //Infinity is a concept that exists for JavaScript!

    //Inputs

    let getName = await input("What is your first name?");

    output ("Hello " + getName + " it is a pleasure to meet you!");

    //Day Two

    let getName2 = await input("What is your first name?");

    let getAge = await input("What is your age?");

    let getClown = await input("Do you like clowns [true/false]?");

    String(getName2);

    Number(getAge);

    Boolean(getClown);

    output("hello " + getName2 + "! I see you are " + getAge + " years old and on the question of clowns, you answered " +  getClown + ".");

    // Nov 9 2022

    output("===========Login System============");

    let username = await input("Please enter name:");

    if (username.length == 0) {

        output("User cannot be blank");

    }

    else if (username != "admin") {

        output("User does not exist");

    }

    let password = await input("Please enter password:");

    if (password.length == 0) {

        output("User cannot be blank");

    }

    else if (password.length < 8 && (password != "adminpwd" || password != "adminpassword")) {

        output("the password is incorrect");

    }

 let amountofchange = (cashpayment - totalcostofgoods);

     output ("Your Change: " + amountofchange);