console.log("Question:1")

        console.log("Count the vowels and constants in a string")

        str = prompt("Enter a name: ")

        console.log(str)

        vowels = 0

        constants = 0

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

            if(str[i]=="a"||str[i]=="e"||str[i]=="i"||str[i]=="o"||str[i]=="u"){

                vowels++

            }

            else {

                constants++

            }

        }

        console.log(`vowels:${vowels},constants:${constants}`)

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        console.log("\nQuestion:2")

        console.log("Calculate the sum of all multiples of 3 b/w 1 to 30")

        sum=0

        for(i=1;i<30;i++){

            if(i%3==0)

            sum=sum+i

        }

        console.log(`sum:${sum}`)

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        console.log("\nQuestion:3")

        console.log("Armstrong Number")

        const number = prompt("Enter a number: ");

        const numberOfDigits = number.length;

        let sum = 0;

        let temp = number;

        while(temp > 0){

            remainder = temp % 10

            sum += remainder\*\*numberOfDigits

            temp = parseInt(temp/10);  // convert float into integer

        }

        if(sum==number){

            console.log(`Number: ${number} is an Amstrong Number`)

        }

        else{

            console.log(`Number: ${number} is not an Amstrong Number`)

        }

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        console.log("\nQuestion:4")

        console.log("Find the maximum number in an array of Integers input[3,2,6,1,4,8,2,4,3]")

        array = [3, 2, 6, 1, 4, 8, 2, 4, 3]

        let max = array[0]

        for (i = 0; i < array.length; i++) {

            // console.log(array[i])

            if (array[i] > max) {

                max = array[i]

            }

        }

        console.log(`Maximum Number in an array: ${max}`)

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        console.log("\nQuestion:5")

        console.log("Mean and Average of the given array of Integers input[3,2,6,1,4,8,2,4,3]")

        const number = [3, 2, 6, 1, 4, 8, 2, 4, 3]

        let sum = 0

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

            sum += number[i]

        }

        mean = sum / number.length

        console.log("Mean:", mean);