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Summer Training

Frontend

Task-1

*Q1:*

let num = Num(prompt(`Please enter a number`));

if (num % 2 == 0) {

    console.log(`The number you have entered ${num} is an even number`)

}

else {

    console.log(`The number you have entered ${num} is a odd number`)

}

*Q2:*

let num=Num(prompt(`Enter a number between (1 to 100)`));

if (num % 3 == 0 && 1 < num && num < 100) {

    console.log(`Fizz`)

}

else if

 (num % 5 == 0 && 1 < num && num < 100){

 console.log('Buzz')

}

else {

    console.log(`Something went wrong, make sure you've entered a number between 1 and 100 or the number

    you've entered which is ${number} is not a multiple of 3 or 5`)}

*Q3:*

function reverseString(str){

    let sString=" ";

    for(let i=str.length-1; i>=0;i--){

    sString += str[i];

    }

    return sString;

}

const string = prompt('Enter a string: ');

const result = reverseString(string);

console.log(result);

*Q4:*

let radius = num(prompt(`Enter the radius of the circle`))

const pi = 3.14

let area = pi \* radius \* radius

let cir = 2 \* pi \* radius

console.log(`the area of the your circle  is ${area}`)

console.log(`the circ. of your circle is ${cir}`)

*Q5:*

let num1 = num(prompt('Enter your first number'))

let num2 = num(prompt('Enter your second number'))

if (num1 == 50 || num2 == 50) {

    console.log(`One of the two numbers that you’ve entered is 50 ${true}`)

}

else if (num1 + num2 == 50) {

    console.log(`The sum of the two numbers that you’ve entered is 50 ${true}`)

}

else { console.log(false) }

*Q6:*

let num1 = num(prompt('Enter your first number'))

let num2 = Num(prompt(Enter your second number'))

if (num1 < 0) {

    console.log(`the number you have entered which is ${num1} is negative`)

}

else console.log(`the number you have entered which is ${num1} is positive`)

if (num2 < 0) {

    console.log(`the number you have entered which is ${num2} is negative`)

}

else console.log(`the number you have entered which is ${num2} is positive`)

*Q7:*

let number = Number(prompt('please enter your number'))

if (number < 0) {

    console.log(`please enter a positive number`)

}

if (number % 5 == 0) {

    console.log(`the number you have netered which is ${number} is a multiple of 5`)

}

if (number % 8 == 0) {

    console.log(`the number you have entered which is ${number} is a multiple of 8`)

}

*Q8:*

let num1=num(prompt('enter your first number'))

let num2=num(prompt('enter your second number'))

let num3=num(prompt('enter your third number'))

if(num1>num2&&num1>num3){

    console.log(`the largest number is ${num1}`)

}

else if (num2>num1&&num2>num3){

    console.log(`the largest number is ${num2}`)

    console.log(`the largest number is ${num3}`)

}

*Q9:*

let counter=0;

for(i=1; i<10;i++){

    counter=counter+i;

}

console.log(`the sum of 1 to 10 equal ${counter}`)

*Q10:*

function printRightAngleTriangle(height){

    for (let i = 1; i <= height; i++) {

        let row = '';

        for (let j = 1; j <= i; j++) {

            row += '\*';

        }

        console.log(row);

      }

    }

    const height = 5;

    printRightAngleTriangle(height);

*Q11:*

let num = Num(prompt('Enter your number'))

if (number < 0) {

    console.log(`The number you've entered which is ${number} is a negative number`)

}

else {

    console.log(`The number you've entered which is ${number} is a positive number`)

}

*Q12:*

let arr= [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

console.log(arr)

*Q13:*

let num1 = num(prompt(Enter your first number'))

let num2 = Number(prompt(Enter your second number'))

let sum = num1 + num2

console.log(`The sum of the two numbers that you've entered is ${sum}`)

*Q14:*

let num = num(prompt('Enter your number'))

function factorialize(num) {

    var result = num;

    if (num === 0 || num === 1)

        return 1;

    while (num > 1) {

        num--;

        result \*= num;

    }

return result;

}

console.log(factorialize(num))

*Q15:*

const num1 = parseFloat(prompt('Enter first number: '));

const operator = prompt('Enter operator ( either +, -, \* or / ): ');

const num2 = parseFloat(prompt('Enter second number: '));

let result;

// using if...else if... else

if (operator == '+') {

    result = num1 + num2;

}

else if (operator == '-') {

    result = num1 - num2;

}

else if (operator == '\*') {

    result = num1 \* num2;

}

else {

    result = num1 / num2;

}

// display the result

console.log(`${num1} ${operator} ${num2} = ${result}`);

  result = num1 / num2;

}

// display the result

console.log(`${num1} ${operator} ${num2} = ${result}`);