const readline = require('readline-sync');

function printWelcomeMessage(){

    console.log('Welcome to the TechSwitch JavaScript Introduction calculator!');

    console.log('\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_');

}

function getNum(message){

    let response;

    do {

        console.log(message);

        response = +readline.prompt();

        message = 'Not a valid number, please try again: '

    } while (isNaN(response));

    return response;

}

function myCalc(operator, numbers){

    let answer = numbers[0];

    for (let i = 1; i < numbers.length; i++){

        if(operator === '+') {

            answer += numbers[i];

        } else if (operator === '-') {

            answer -= numbers[i];

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

            answer \*= numbers[i];

        } else if (operator === '/') {

            answer /= numbers[i];

        }

    }

    return answer;

}

function performOneCalculation(){

    // User input  - the operator to use for calculations

    console.log('Please enter the operator: ');

    let operator = readline.prompt();

    //User input  - the number of numbers user would like to enter

    let totInputNum = getNum(`How many numbers would you like to ${operator} ? ` )

    let numArray = new Array(totInputNum);

    for(let i = 0; i < totInputNum; i++){

        let argument = getNum(`Please enter number ${i+1} : `);

        numArray[i] = +argument;

    }

    let result = myCalc(operator, numArray);

    console.log(`The answer is: ${result}`);

}

printWelcomeMessage();

while(true) {

    performOneCalculation();

}

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