# ICA10 - Arrays

## Sum of elements fun

Write a program that asks the user to enter a series of numbers, one at a time. If the user enters anything other than a number, your code should display “Bad data. Try again.”.

Your code will have a global variable called mynumbers. This variable is an array, and its initial value is an empty array. An empty array is an array with no elements.

let mynumbers = []; // this is an empty array. It has a length of 0

Every time a user enters a number, it should be added to the array.

When the user clicks the “Calculate Total” button, your solution should display the total of all the numbers in the array.

## Getting started (Together as a class)

1. Retrieve ica10\_sumfun.zip provided by your instructor.
2. Extract the code into your mis2402workspace and open the sumfun.html file in Visual Studio Code.
3. Add the global variable mynumbers. Its initial value is an empty array.
4. Complete the function sumfunadd. This function accepts one parameter. If the new parameter is a not a number, or an empty string, then return “Bad data. Try again.”

If the parameter is good, then add it as a new element to the mynumbers array, and return “OK”

1. Complete the sumfuntotal function. This function should contain a for loop that iterates through the mynumbers array. This function should return the sum of all the numbers in the array.
2. Test your work.
3. Upload your work to misdemo.temple.edu using BitVise or FileZilla.

On your own / Optional challenge

1. After you have uploaded your work to canvas, try completing the functions necessary to calculate the max and min.

HINT: You will need a **for** loop, with an **if** statement inside it. You will also need to declare a variable to hold the answer you are seeking.

(No need to turn in this one. But it is a good practice exercise.)