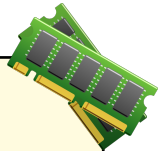


With the value returned, the function ends

The result is returned to the expression where the function was called

3

2



Function: Sum

Returns: Double - The sum of the numbers from the data array

Parameters:

- 1: data (by const ref, array of Double) - values to sum
- 2: size (Integer) - the number of elements in data (C only)

Local Variables:

- \*: i (Integer) - index of the current element in the array
- \*: total (Double) - running total

Steps:

- 1: total is assigned 0
- 2: For i, starts at 0 and loops to the highest index of data
- 3: ~~total is assigned total + data[i]~~
- 4: Return the result, total

Procedure: Main

Local Variables:

- \*: my\_data (array containing 3 Double values) - data array

Steps:

- 1: Call Populate Array ( my\_data, 3 )
- 2: Output 'Sum is ', and Sum ( my\_data
- 3: ..

1

Total becomes the value returned

Sum	
data[]:	ref1
size:	3
i:	3
total:	22.21
result:	22.21
Instruction:	Step 2

Main	
my_data[]:	10.0
	-5
	17.21
Instruction:	Step 2



Terminal — bash — 80x24

```
Enter value 1: Ten
Please enter a number.
Enter value 1: 10.0
Enter value 2: -5
Enter value 3: 17.21
```

