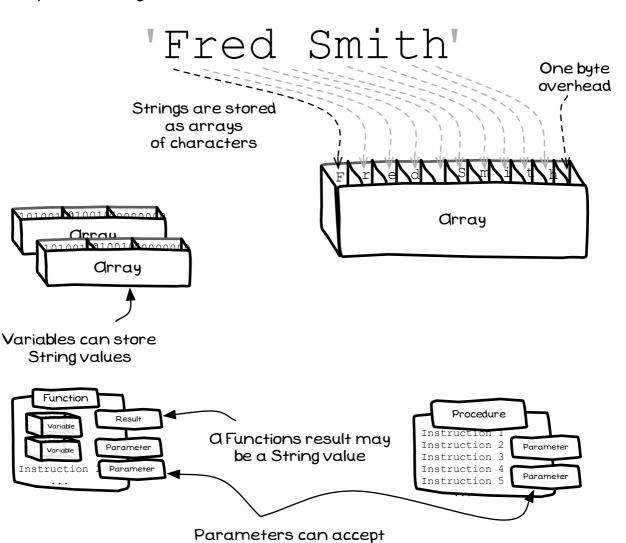
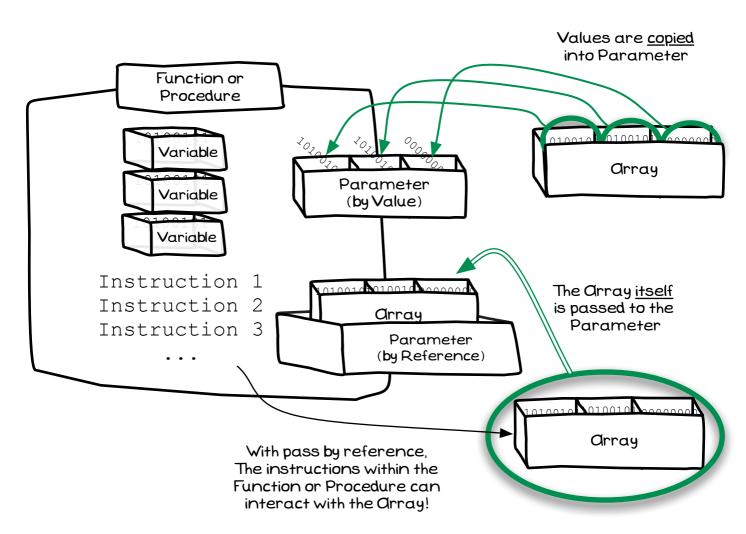
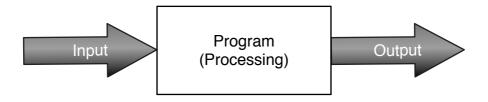


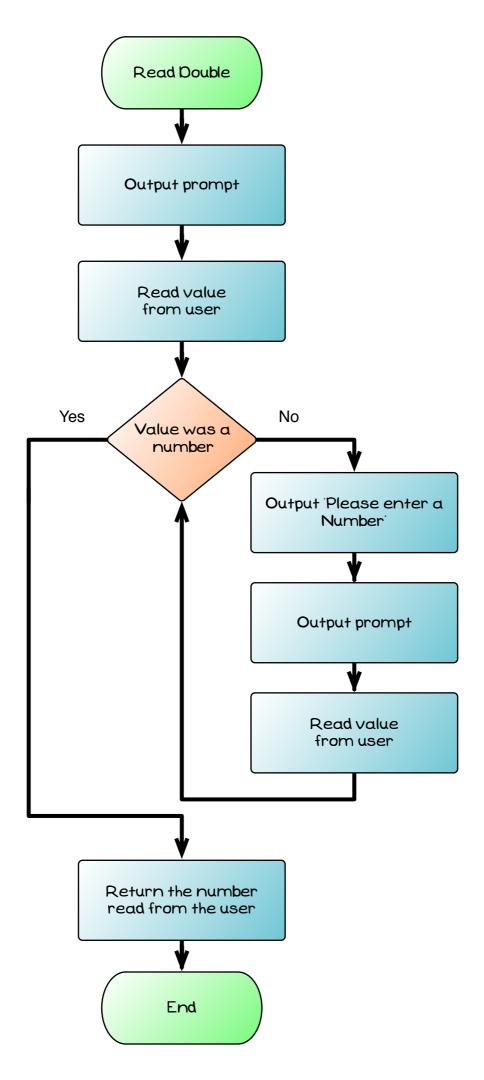
a String is text data, a sequence (string) of characters

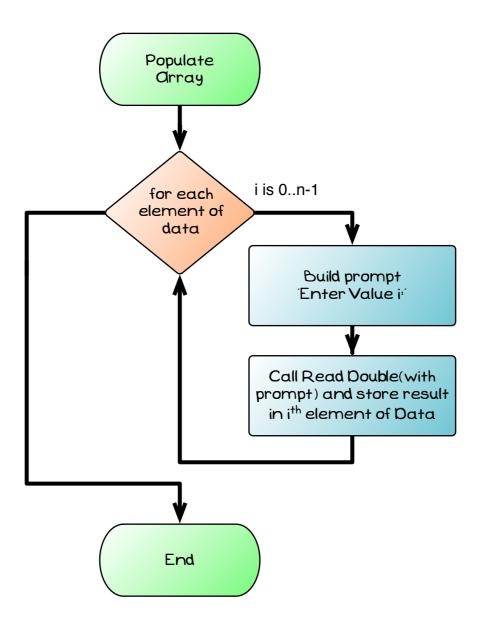


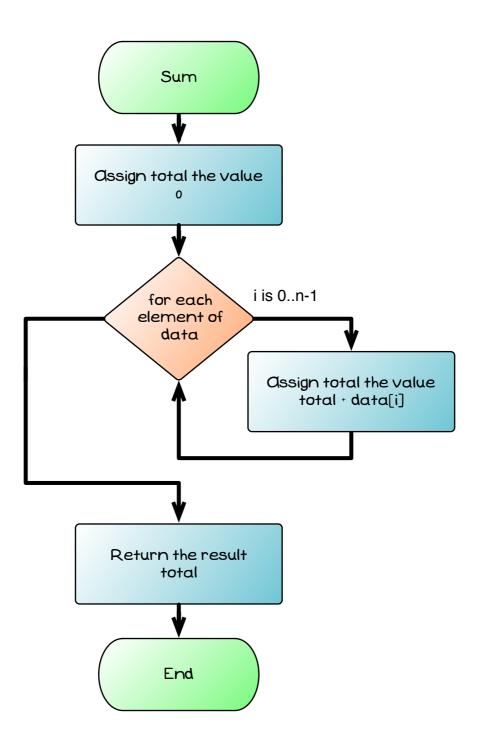
String values

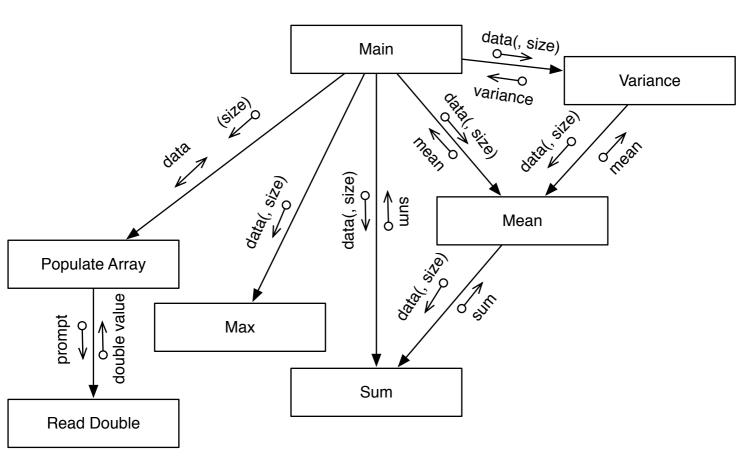


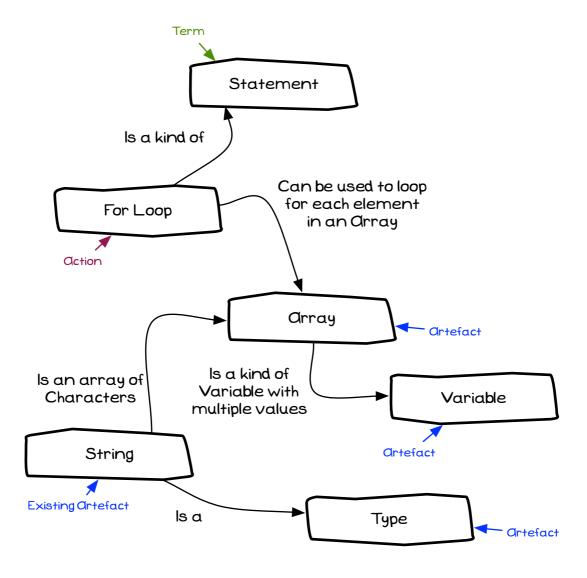










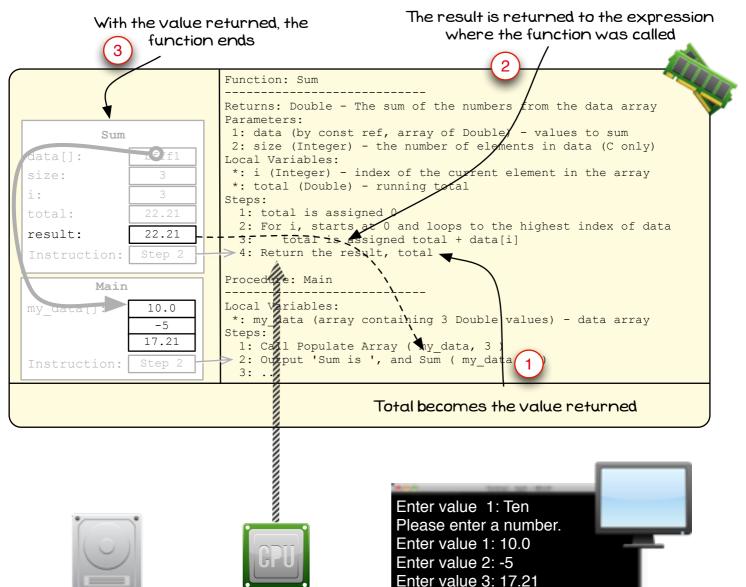


```
Procedure: Populate Array
_____
Parameters:
1: data (by ref, array of Double) - the list of values to sum
2: size (Integer) - the number of elements in data (C only)
Local Variables:
 *: i (Integer) - index of the current element in the array
*: prompt (String) - the prompt to be shown to the user
Steps:
1: For i, loops from lowest to highest index of data
    Assign prompt, 'Enter value ' + (i + 1) + ': '
    Assign data[i], the result of calling Read Double(prompt)
Procedure: Main
Local Variables:
*: my_data (array containing 3 Double values) - data array
Steps:
 1: Call Populate Array ( my data, 3 )
 2: ...
```









Before	Call	After
<pre>prompt: a s h e 2 8 &amp; 2 k k; ) j 2; 0 J buffer: #dZ</pre>	strncpy(prompt, "Enter value ", 13);	prompt:  Enter value 2;0J  buffer:  #dZ
prompt:  Enter value 2;0J  buffer:  #dZ	sprintf(buffer, "%d", (i + 1) % 100);	prompt:  Enter value 2;0J  buffer:  1 Z
prompt: Enter value 2;0J buffer:	strncat(prompt, buffer, 2);	prompt:  Enter value 1 ; 0 J  buffer:  1 Z
prompt:  Enter value 1:0J  buffer:  1:Z	strncat(prompt, ": ", 2);	prompt:  Enter value 1: J  buffer:  1 Z