



# Arrays

An array has been declared as follows ... `int Nums[100];`

You can assume that each of the hundred entries contains an integer value between 1 and 10.

1. Using a For Loop, write the code which will add up all the individual entries of the array and store the total in an integer variable named `SubTotal`.
2. Write the code that will return the average of the numbers in the array.  
**Note:** this should only involve a small modification of the code from 1.
3. Write the code that will return both the smallest and largest entries in the array.

BONUS CHALLENGES:

4. Write the code that will return whether or not a particular value is in the array.
5. Write the code that will return whether or not the array is sorted.