

Array (C++)

```
1  #include <iostream>
2  // #include <random>
3  using namespace std;
4  int main(){
5      int size;
6      cout << "Enter this array's size. (1 to 100) ";
7      cin >> size;
8      if(size < 1){
9          cout << "Invalid entry!";
10     }
11     else if (size > 100){
12         cout << "Array too big!";
13     }
14     else{
15         int array[size], total = 0;
16         for(int i1 = 0; i1 < size; i1++){ // Could have used something like "array[i1] = rand() + [insert number here]", but... yeah.
17             cout << "Element #" << (i1 + 1) << ": ";
18             cin >> array[i1];
19         }
20         for(int i2 = 0; i2 < size; i2++){
21             total += array[i2];
22         }
23         cout << "Total array value: " << total << endl;
24     }
25 }
```

```
Enter this array's size. (1 to 100) 101
Array too big!
```

```
Enter this array's size. (1 to 100) 0
Invalid entry!
```

```
Enter this array's size. (1 to 100) 13
Element #1: 14
Element #2: 31
Element #3: 52
Element #4: 73
Element #5: 14
Element #6: 53
Element #7: 45
Element #8: 32
Element #9: 46
Element #10: 18
Element #11: 31
Element #12: 48
Element #13: 91
Total array value: 548
```