

# CSC2111 Computer Science I Lab

## Lab 03

# Objectives

1. Create a statically sized array.
2. Store values in an array.
3. Displays the contents of an array.

# Example

- Write a program to create an array with 10 integer and display the elements in order.

# Solution

```
#include<iostream>
#include<iomanip>
using namespace std;

#define MAX_SIZE 10

int main(void) {

    int a[MAX_SIZE];
    for (int i = 0; i < MAX_SIZE; i++) {
        a[i] = (i+1)*10;
    }

    cout << "Index";
    for (int i = 0; i < MAX_SIZE; i++) {
        cout << setw(4) << i;
    }
    cout << endl << "Value";
    for (int i = 0; i < MAX_SIZE; i++) {
        cout << setw(4) << a[i];
    }
    cout << endl;

    return 0;
}
```

# Output

---

C:\WINDOWS\system32\cmd.exe

```
Index  0   1   2   3   4   5   6   7   8   9
Value 10  20  30  40  50  60  70  80  90 100
Press any key to continue . . .
```