

# CSC2211 Computer Science I Lab

## Lab 13

# Objectives

- 1.** Learn about the pointer data type and pointer variable
- 2.** Learn about dynamic arrays

# Example

- The following program shows how to create and use a dynamic array of character (C-STRING) with the size of up to 256 character.

# Solution

```
#include <iostream>
#include <stdio.h>
using namespace std;
#define LEN 256
int main()
{
    char* str;
    str = new char[LEN];
    cout << "Please input a string!" << endl;
    cin.getline(str, LEN);
    cout << "this is user input ==> " << str << endl;
    delete[] str;
    return 0;
}
```

# Output

 C:\WINDOWS\system32\cmd.exe

```
Please input a string!  
abcdefghijklmnop  
this is user input ==> abcdefghijklmnop  
Press any key to continue . . .
```