

# Programming with C

## Assignment 2

### Due: Next Section.

Notes: This assignment is individual assignment, every student should complete it by himself.

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### 1. (5 points) True or False:

- a. The "char" reserve 2 bytes from the memory.
- b. You can't change the constant value after the first initialization.
- c. Comments are set of descriptive lines ignored by the compiler.
- d. C language is case insensitive language.
- e. You can't declare more than one variable in a single declaration statement.
- f. The #define statement must end with ( ; )

### 2. (5 Points) What is the expected output after executing the following program.

```
#include <iostream>
using namespace std;
int main (){
    int a, b=3;
    a = b;
    a+=2; // equivalent to a=a+2
    cout << a;
    return 0;
}
```

3. (5 Points) write a C program to prompt for and input the circuit radius , and then output the circumference of this circuit The equation to be used is  $C = \pi r^2$ , where C stands for Circumstance, r stands for Radius and  $\pi = 3.14$ . The form of the input and output can be found below.

Enter the radius: 2

The circumference= 12.56