Homework 1 (due:April 8th)

- Deadline : April 8th 11:59pm
- Where to submit? eClass "과제방" (http://eclass.cau.ac.kr)
- How to submit?
  - Create a folder. The name of the folder should be "studentID#.hw1". (ex) 20111499.hw1
  - We have three problems in hw1. Make three C source files. The name of the source files should be the format "studentID#.hw1.#.c"
    - (ex) 20111499.hw1.1.c , 20111499.hw1.2.c , 20111499.hw1.3.c
  - In each source file .c, your code must have comments that include your name and student_id#
  - Put the three source files into the folder we created.
  - Compress the folder into a zip file. The name of the zip file should be "student#.hw1.zip". (ex) 20111499.hw1.zip
  - Upload the zip file into eClass website.
  - If you don't follow above instructions, you may get penalty in your score.
  - You must do programming yourself.

1. Write a program that reads a five digit integer and prints the sum of its digits as an output.

```
#include <stdio.h>

int main()
{
          int five_digit_num;
          // you may declare variables here

          scanf("%d",&five_digit_num);
          // put your code here




          return 0;

}
```

Input example 42718

output example 22

2. Write a program that converts the temperature from a Celcius degree into Fahrenheit degree.
The conversion equation : Fahrenheit = Celcius * 1.8 + 32

```
#include <stdio.h>

int main()
{
    float celcius , fahrenheit;

    // put your code here

    return 0;
}
```

```
Output Example :
celcius degree ? 10.7   (<--- keyboard user input)
Fahrenheit degree = 51.259998
```

3. Write a program that converts meter-type height into [feet(integer),inch(float)]-type height. Your program should get one float typed height value as an input and prints integer typed feet value and the rest of the height is represented as inch type. (1m=3.2808ft=39.37inch)

- (Input example) 1.80
- (output example) 5feet 10.9inch