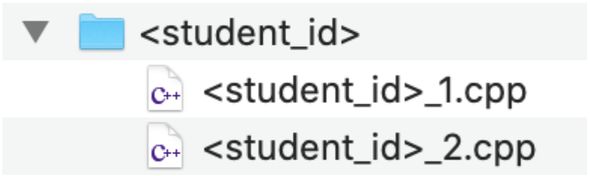
Week 2
Homework

Computer Programming Lab

2020/09/22

Remind

- 抄襲一律 0 分 （包含被抄襲者）
- 繳交期限: 9/27(Sun.) 11:59 p.m.
- 繳交的檔案格式、名稱請符合以下規定
  - 請繳交 zip檔，名稱為 <student_id>.zip
  - 解壓縮後須符合下圖的格式、名稱



  - e.g. r09921051.zip
- 必須完成 Demo 才可以提早離開
- 若沒有完成 Demo 就中途早退，視同缺席

Problem 1 - BMI (0.5%)

Description

Body Mass Index, or more famously known as BMI, is an easy and convenient way to measure your fitness level.

In this task, you need to implement a program which calculates your BMI.

Input

For input, user should provide two floating point variables: weight (kg) and height (cm) separated by a single space.

Output

For output, your program should output the BMI for the given weight and height. The output value should have exactly one digit after the decimal point.

Problem 1 - BMI

Sample Input

```
75 180
```

Plain Text

Sample Output

```
23.1
```

Plain Text

File Name

{Student_ID}_1.cpp

Problem 2 - Celsius to Fahrenheit (0.5%)

Description

Celsius scale and Fahrenheit scale are both temperature scales.

In this task, you need to implement a program which converts the degree Celsius to the degree Fahrenheit. The formula is given below (F denotes the degree Fahrenheit, C denotes the degree Celsius):

$$F = \frac{9}{5}C + 32$$

Input

User should provide a degree Celsius which is an integer.

Output

The program should output the degree Fahrenheit.
The output value should be a floating-point number and have exactly two digit after the decimal point.

Problem 2 - Celsius to Fahrenheit

Sample Input

```
28
```

Plain Text

Sample Output

```
82.40
```

Plain Text

File Name

{Student_ID}_2.cpp