

Homework Assignment 1

*Please reference the **Assignment Submission Guide** and **Homework Report Template** on the iLearn for submission.*

Part A (20%) Review Questions:

1. Approximately where is C language used?
2. What are steps in writing a program?
3. Approximately what is the line `#include <stdio.h>` at the top of a C source file for?
4. What are some uses for comments?
5. Why is code indentation important?

Part B (80%) Programming Exercises:

1. Writing a C program that displays your **name**, **academic major**, and **student ID number** in three output lines.
2. (Optional) You could use **int** keywords for your ID number display, if have programing experience.
3. Procedure
 - a. Setup your own programing environments.
 - i. Compiler
 - ii. VS code (You could use some other IDE)
 - b. Create a project in VS code
 - i. Choose a good name for your project
 - ii. Manage all the program assignments and project carefully
 - c. Create a C source file in the above project
 - i. Make sure use the comments in your source code
 - ii. Copyright
 - iii. Statement explanation
 - d. Compile your C source file and check if there is error
 - e. Run the program
 - f. Analyze the output to confirm it satisfies the requirements