CS 1358 Introduction to Programming in Python

Fall Semester 2019

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Self-Check 1

Due Date: Sunday, September 15, 2019, 11:59pm

Answer the following questions to check your understanding of your material. Expect the same kind of questions to show up on your tests. For this course, we use vi and vim interchangeably.

## 1. Definitions and Short Answers

1. What is a **command-line interface**?

text-based user interface

文字式的指令介面。當輸入指令時，電腦會直接做出相對應的反應

1. What is a **prompt**?

character or string indicating ready for command

電腦已經準備好接受下一個指令

1. What is the **working directory**?

~~a directory of a hierarchical(分級) file system~~

現在所在的資料夾，輸入pwd指令可以得知位置

1. What is a **shell**?

command interpreter

1. What does the **mkdir** command do?

make a new directory (新增資料夾)

1. What is the command for **renaming a file**?

mv OldFileName NewFileName

1. What is a **path**?

the general form of the name of a file or directory, specifies a unique location in a file system

資料的位置

~ is home directory

. is current directory

.. is parent

/ character is for directory separator

1. What does the path **..** (i.e., two dots) refer to?

directory above (上層資料夾)

1. In the vi text editor, what sequence of keys do you type to **move the cursor down** by one position and left by **twenty (20) positions**? Is there a better way than having to type the key for moving left 20 times?

move the cursor down by one position：j

left by 20 positions：shift+6(^) or 0

1. In the vi text editor, how do you **save** (a file that already exists) **and quit** (as one command)?

:wq

## 2. Programming

1. Use vi to create a plain text file named “hello.py”. It should print “Hello world” (without quotes) on one line.
2. Run hello.py from the command line.
3. Edit hello.py so that it prints three lines:  
   Hello world!  
   My name is \_\_\_  
   Today is \_\_\_  
   Replace \_\_\_ with your name and today’s date.

