

WEEK 3 – LECTURE NOTES

討論

1. 有沒有想到可以用程式解決的問題?
2. 1-4 課任何問題?
3. 會寫可是沒地方可以測?

安裝 PYTHON 和 PYTHON 介面

- 1 Download
 - 1.1 <https://www.python.org/downloads/>
 - 1.2 Windows 2.7.10 32bit
- 2 Install
- 3 IDLE 介面
- 4 Maya/Nuke 介面
- 5 Saving and Executing Python Scripts, (儲存和執行 python 檔案)
 - 5.1 runinng .py in command line
 - 5.2 running from shelf
- 6 raw_input(), 使用者輸入

複習 – LESSON 1 - SYNTAX

- 1 Variables
- 2 Booleans
- 3 Reassigned
- 4 Whitespace
- 5 Comments
- 6 Multi line comments
- 7 Math stuff

複習 – LESSON 3 - STRINGS

- 1 Strings
- 2 Escape Characters, explain why and some uses
- 3 Access by index, some examples and exercises
 - 3.1 0 based indexing
 - 3.2 From to
 - 3.3 Negative from to
- 4 String methods
 - 4.1 Len
 - 4.2 Lower
 - 4.3 Upper
 - 4.4 Str
- 5 Dot Notation, only work with strings
- 6 Print
- 7 String Concatenation, +
- 8 Explicit String Conversion, str()
- 9 String Formatting with %

DATA TYPES(資料類型)

- 1 Strings(字串)
 - 1.1 Str()
- 2 Integer(整數)
 - 2.1 Int()
- 3 Float(浮點數)
 - 3.1 Float()
- 4 Booleans(是非)
- 5 Colors, Alpha, 8bit, 16bit, Channels, 3d space(point), vectors(normal), list

功課 1:

CodeAcademy 第五到第八課

- Conditions and Control Flow
- Functions

功課 2:

安裝 PYTHON

把小費計算機改寫成可以執行的程式，`meal` 的值是用 `raw_input()` 來設定的。

請把功課傳上 TACTIC