2023-Spring
Advanced Computer Programming
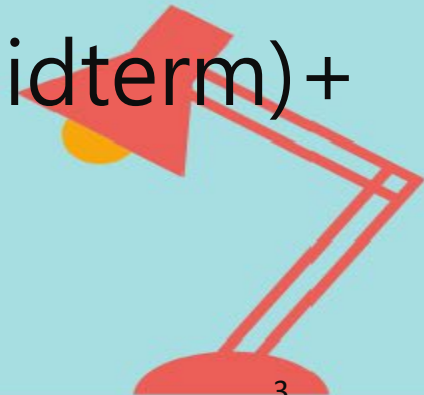
CSIE, Asia Univ.

Outline

- Course regulations
- Course schedule
- Course material
- Course tool

Course regulations

- The midterm is for individual grades, and the final is for group grades.

- Midterm: Web Crawler

- Final: Web App on PythonAnywhere

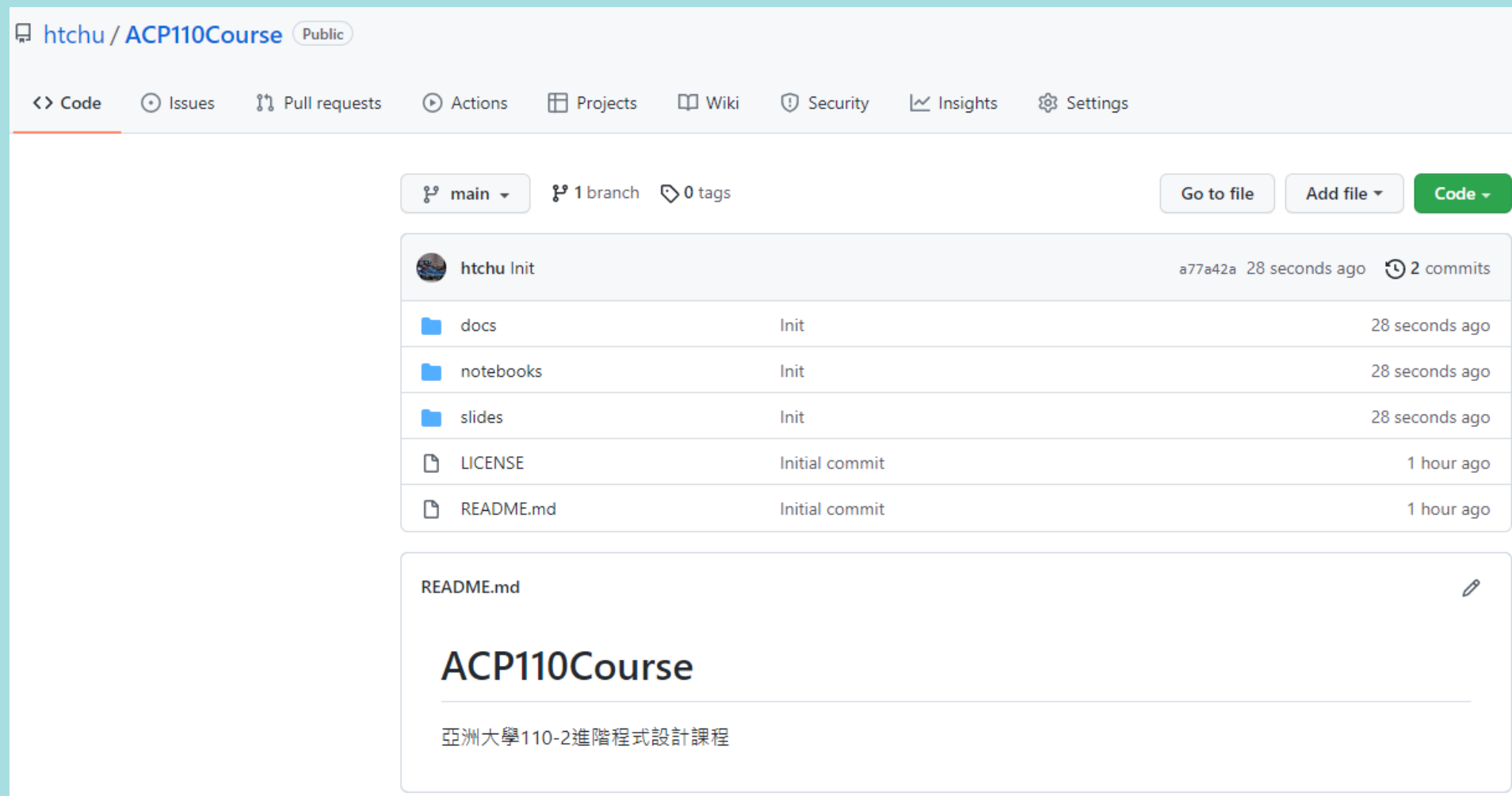- Grading: 40% (activities performance) + 30% (midterm)+ 30% (final)

Course schedule

- W1-課程介紹/Introduction

- W2-Python libraries

- W3-BeautifulSoup(1)

- W4-BeautifulSoup(2)

- W5-Scrapy(1)

- W6-Scrapy(2)

- W7-Storing Data

- W8-Project development(1)

- W9-Midterm presentation

- W10-Web & HTTP

- W11-Flask

- W12-Flask Routes

- W13-Jinja template

- W14-Flask-form

- W15-Flask-mail

- W16-REST API

- W17-Project development(2)

- W18-Final presentation

Github

5

Colab+Github

ACP111_W1_Q1.ipynb

檔案　編輯　檢視畫面　插入　執行階段　工具　說明

+ 程式碼　+ 文字　　複製到雲端硬碟

Q1 : Check Python 3 reference cheat sheet for beginners, then write a program to print out the multiplication table

1 × 1 = 1	2 × 1 = 2	3 × 1 = 3	4 × 1 = 4	5 × 1 = 5
1 × 2 = 2	2 × 2 = 4	3 × 2 = 6	4 × 2 = 8	5 × 2 = 10
1 × 3 = 3	2 × 3 = 6	3 × 3 = 9	4 × 3 = 12	5 × 3 = 15
1 × 4 = 4	2 × 4 = 8	3 × 4 = 12	4 × 4 = 16	5 × 4 = 20
1 × 5 = 5	2 × 5 = 10	3 × 5 = 15	4 × 5 = 20	5 × 5 = 25
1 × 6 = 6	2 × 6 = 12	3 × 6 = 18	4 × 6 = 24	5 × 6 = 30
1 × 7 = 7	2 × 7 = 14	3 × 7 = 21	4 × 7 = 28	5 × 7 = 35
1 × 8 = 8	2 × 8 = 16	3 × 8 = 24	4 × 8 = 32	5 × 8 = 40
1 × 9 = 9	2 × 9 = 18	3 × 9 = 27	4 × 9 = 36	5 × 9 = 45
1 ×10 = 10	2 ×10 = 20	3 ×10 = 30	4 ×10 = 40	5 ×10 = 50

6 × 1 = 6	7 × 1 = 7	8 × 1 = 8	9 × 1 = 9	10 × 1 = 10
6 × 2 = 12	7 × 2 = 14	8 × 2 = 16	9 × 2 = 18	10 × 2 = 20
6 × 3 = 18	7 × 3 = 21	8 × 3 = 24	9 × 3 = 27	10 × 3 = 30
6 × 4 = 24	7 × 4 = 28	8 × 4 = 32	9 × 4 = 36	10 × 4 = 40
6 × 5 = 30	7 × 5 = 35	8 × 5 = 40	9 × 5 = 45	10 × 5 = 50
6 × 6 = 36	7 × 6 = 42	8 × 6 = 48	9 × 6 = 54	10 × 6 = 60
6 × 7 = 42	7 × 7 = 49	8 × 7 = 56	9 × 7 = 63	10 × 7 = 70
6 × 8 = 48	7 × 8 = 56	8 × 8 = 64	9 × 8 = 72	10 × 8 = 80
6 × 9 = 54	7 × 9 = 63	8 × 9 = 72	9 × 9 = 81	10 × 9 = 90
6 ×10 = 60	7 ×10 = 70	8 ×10 = 80	9 ×10 = 90	10 ×10 = 100

Tools

- Colab, Github, VSC

- PythonAnywhere: Host, run, and code Python in the cloud
  - https://www.pythonanywhere.com/

Thanks! Q&A