2018 Asia University AI Summer Program (Day1-July3) A: Course Opening

Frank Hsueh-Ting Chu

Content

- Welcome Speech by Dr. Nien-Dean of the College
- Introduce teachers and teaching assistants
- Self introduction of students
- Tea break
- Course overview/structure of course
- Assessment
- Resource and tools

Welcome Speech by Dr. Nien-Dean of the College

Teachers and teaching assistants

Chairperson

- Wen-Chung Shih

Teachers

- Frank Chu
- Charles Wang

Teaching assistants

- Wayne
- Joanna
- Yvonne

Students

1	Amelia Lita	F	Indonesia	AirlanggaU艾爾朗加
2	Abhik Sarkar	M	Indian	Vel Tech
3	Ranjan Jyoti Das	M	Indian	Vel Tech
4	Danturti Akhil	M	Indian	Vel Tech
5	Vishal Chauhan	M	Indian	Vel Tech
6	Pooneet Chopra	M	Indian	Vel Tech
7	Gaurang Jain	M	Indian	Vel Tech
8	Sayan Mitra	M	Indian	Vel Tech
9	Sonal Singh	F	Indian	Vel Tech
10	Aravind Menon	M	Indian	Vel Tech
11	Mr. Harish Vakela Ramesh	M	Indian	Vel Tech
12	Ajit Sundaresh Umashankar	M	Indian	SRM University
13	Ashik Khaleel	M	Indian	SRM University
14	Ashwin Subramanian	M	U.S.A.	SRM University
15	Dhariya Sharath Asthana	M	Indian	SRM University
16	Govardhanan Indiran	M	Indian	SRM University
17	Gutha Sumith Reddy	M	Indian	SRM University
18	Hardik Ajmani	M	Indian	SRM University
19	Hussain Qutbuddin Poonawala	M	Indian	SRM University
20	Niladri Shekhar Dutt	M	Indian	SRM University
21	Puru Sharma	M	Indian	SRM University
22	S Hariharan Subramanian	M	Indian	SRM University
23	Sanyam Bhutani	M	Indian	SRM University
24	Siddharth Balaji Mahalingam	M	Indian	SRM University
25	Shivam Bajaj	M	Indian	SRM University
26	Tanuj Raj	M	Indian	SRM University
27	Thoudam Vivekananda Singh	M	Indian	SRM University
28	V Pavan Kailash Sreevatsan	M	Indian	SRM University
29	Sajan Kumar	M	Indian	SRM University
30	SIM XIN FENG	F	Singapore	NTU南洋理工
31	WEI, QUINYUN 韋慶雲	F	China	NTU南洋理工
32	Adipong Chantakad	M	Thailand	CMU清邁大學
33	Chalermpoom Suinta	M	Thailand	CMU清邁大學
34	Kanokwan Panpuang	F	Thailand	CMU清邁大學
35	Chananchida Billa	F	Thailand	PSU宋卡拉王子
36	Patipat Rattanapan	M	Thailand	PSU宋卡拉王子
37	Pongsapak Keawyarat	M	Thailand	PSU宋卡拉王子

Tea break

Course overview

1.	Orientation & Introduction of Asia University	3 hours (7/3)
2.	Course Opening and Introduction	3 hours (7/3)
3.	AIY and AI Cloud Service	6 hours (7/4)
4.	Python basics	6 hours (7/5)
5.	Machine learning & scikit-learn	6 hours (7/6)
6.	Deep learning & TensorFlow	6 hours (7/9)
7.	Image processing and face recognition	6 hours (7/10)
8.	Deep learning with big data	6 hours (7/11)
9.	AI Project Development	6 hours (7/12)
10.	Final presentation	3 hours (7/13)
11.	Farewell Party	3 hours (7/13)

Schedule

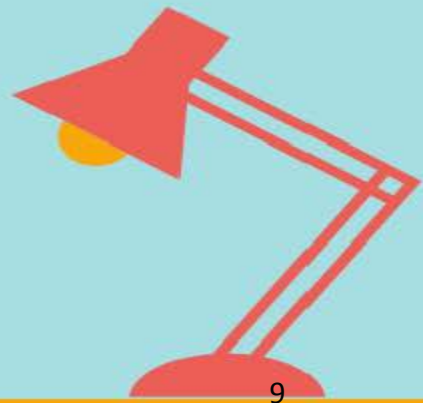
	Sun (7/1)	Mon (7/2)	Tue (7/3)	Wed (7/4)	Thu (7/5)	Fri (7/6)	Sat (7/7)
08:10-09:00							
09:10-10:00		Welcome at the Airport	Orientation & Introduction of Asia University	AIY and AI Cloud Service	Python basics	Machine learning & scikit-learn	Taichung IT company visit and tour
10:10-11:00							
11:10-12:00							
12:10-13:00			Lunch	Lunch	Lunch	Lunch	
13:10-14:00			Course Opening and Introduction	AIY and AI Cloud Service	Python basics	Machine learning & scikit-learn	
14:10-15:00							
15:10-16:00							

	Sun (7/8)	Mon (7/9)	Tue (7/10)	Wed (7/11)	Thu (7/12)	Fri (7/13)	Sat(7/14)
08:10-09:00							
09:10-10:00	Taipei IT company visit and tour	Deep learning	Image processing	Deep learning with big data	AI Project Development	Final presentation	Farewell at the Airport
10:10-11:00							
11:10-12:00							
12:10-13:00		Lunch	Lunch	Lunch	Lunch	Lunch	
13:10-14:00		TensorFlow	Face recognition	Deep learning with big data	AI Project Development	Farewell Party	
14:10-15:00							
15:10-16:00							

Tours

- 7/7 Taichung city tour
  - Earthquake Museum of Taiwan
  - National Museum of Natural Science
  - National Taiwan Museum of Fine Arts

- 7/8 Taipei city tour
  - Taipei World Trade Center (AI & Smart Living Expo)
  - Taipei 101 (Skyscraper)



Taichung City Tour

Earthquake Museum of Taiwan

National Museum of Natural Science

National Taiwan Museum of Fine Arts

Asia University

Kuang-Fu Junior high and Elementary School

1999 Jiji earthquake (the **921 earthquake**)

Old Kuang-Fu Junior high School

1999 Jiji earthquake (the **921 earthquake**)

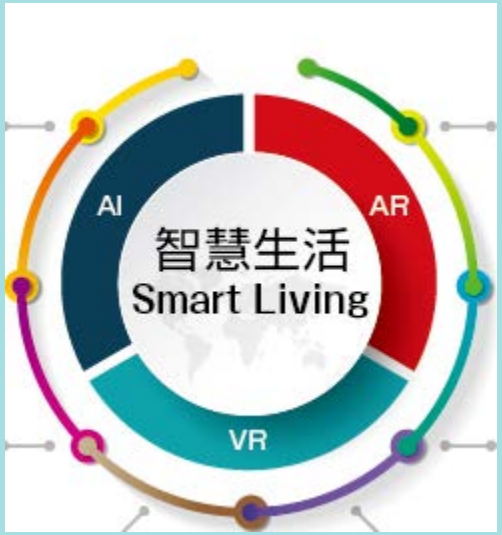
https://en.wikipedia.org/wiki/1999_Jiji_earthquake

We plan to visit the new campus at 16:00 on 7/9.

New Kuang-Fu Junior high School

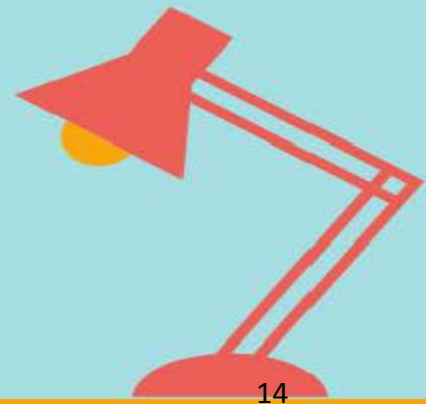
Taipei Tour


2018 Smart
Smart Living &
Software Application Expo
智 慧 生 活 軟 體 應 用 展
7/6-9台北世貿一館


AI
AR
VR
智慧生活
Smart Living

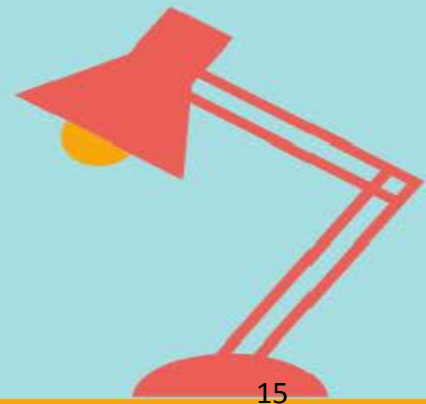
Structure of course

- Three hours in a topic
- The first lesson is lecture
- The second lesson is demo class
- The third lesson is practice class



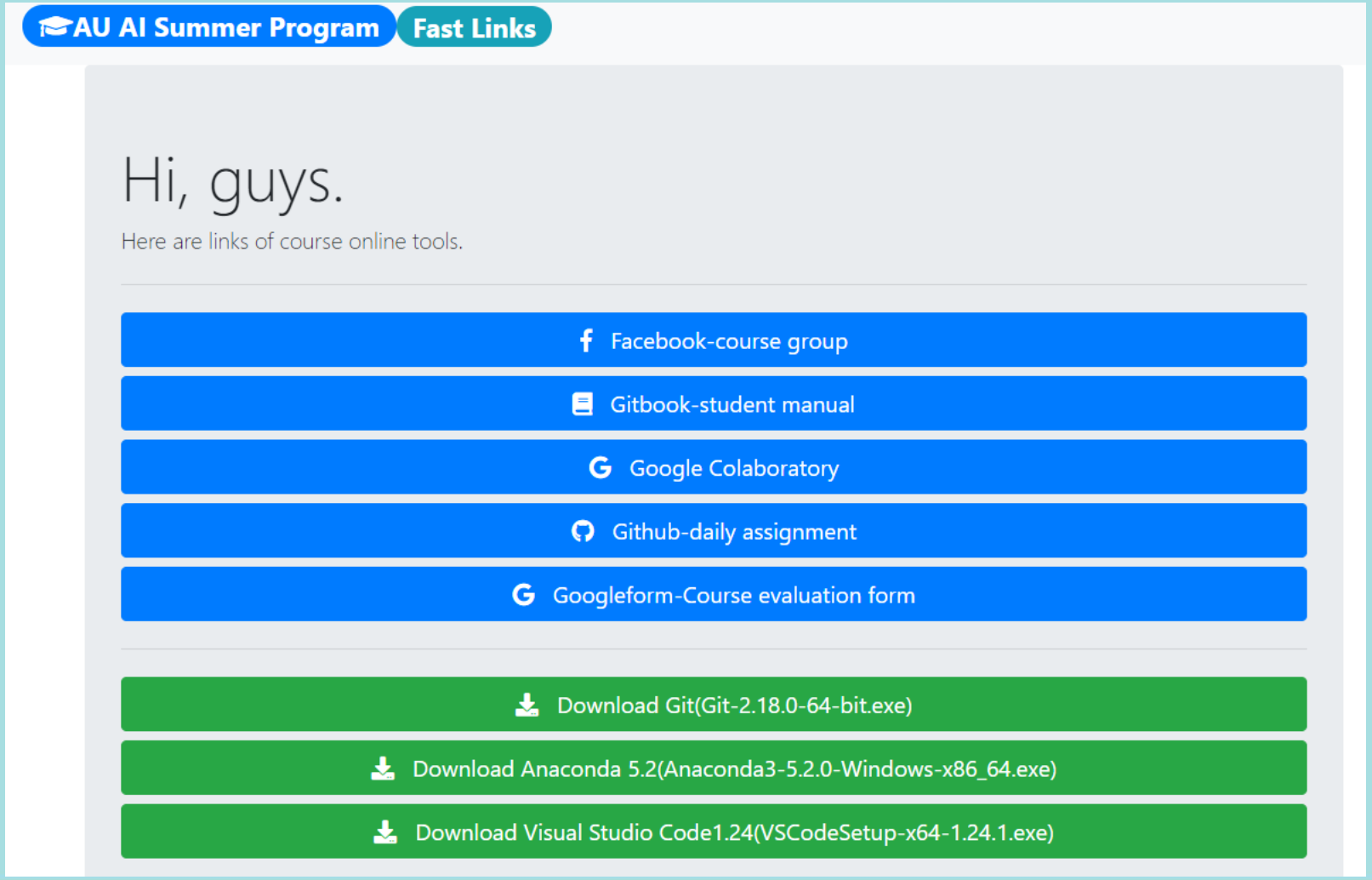
Assessment

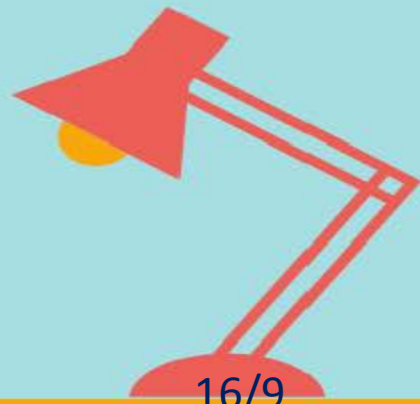
- Topic assignments
- Your github repository
- Final project presentation



Online Tools

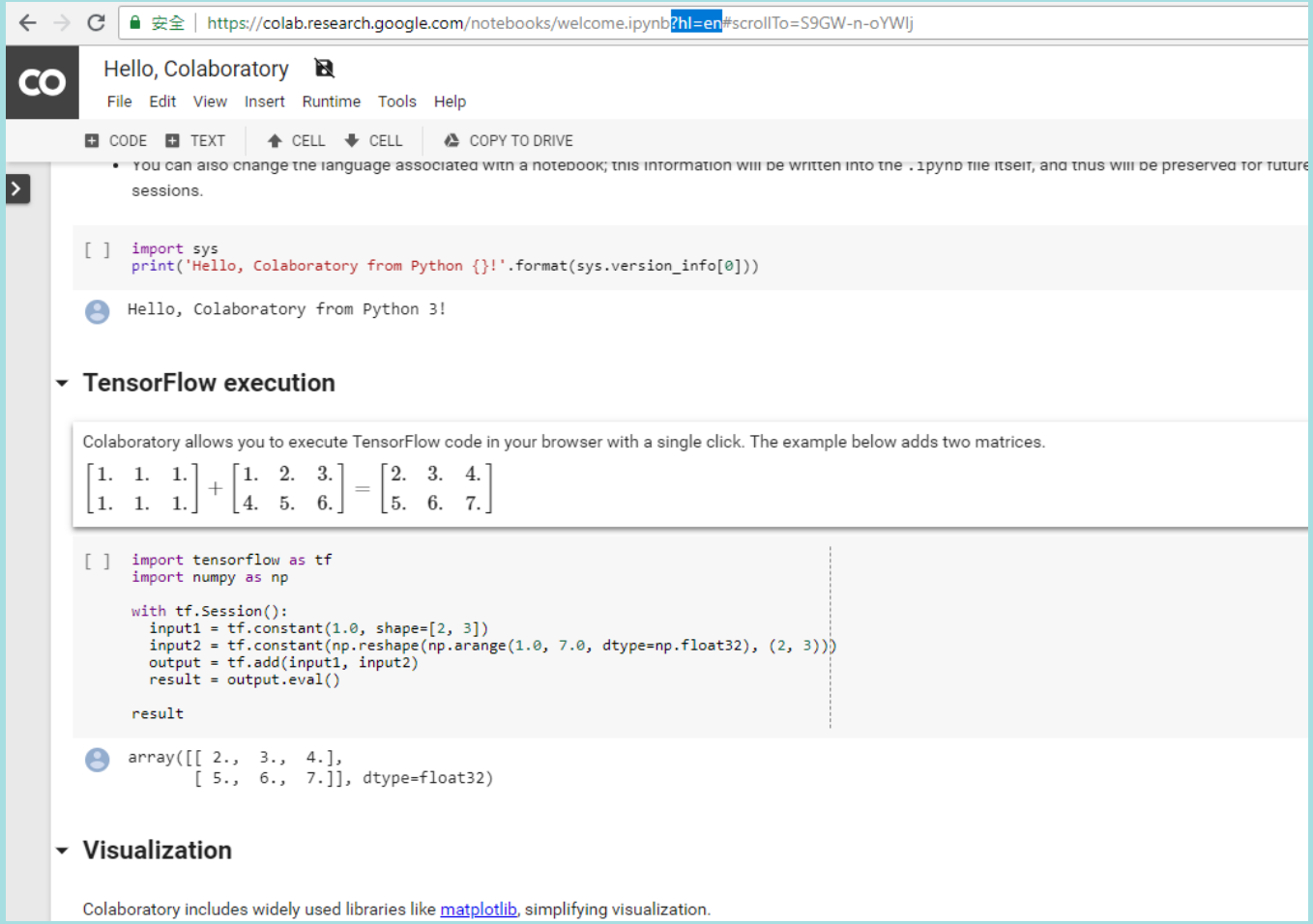
http://summer.aiplab.net/





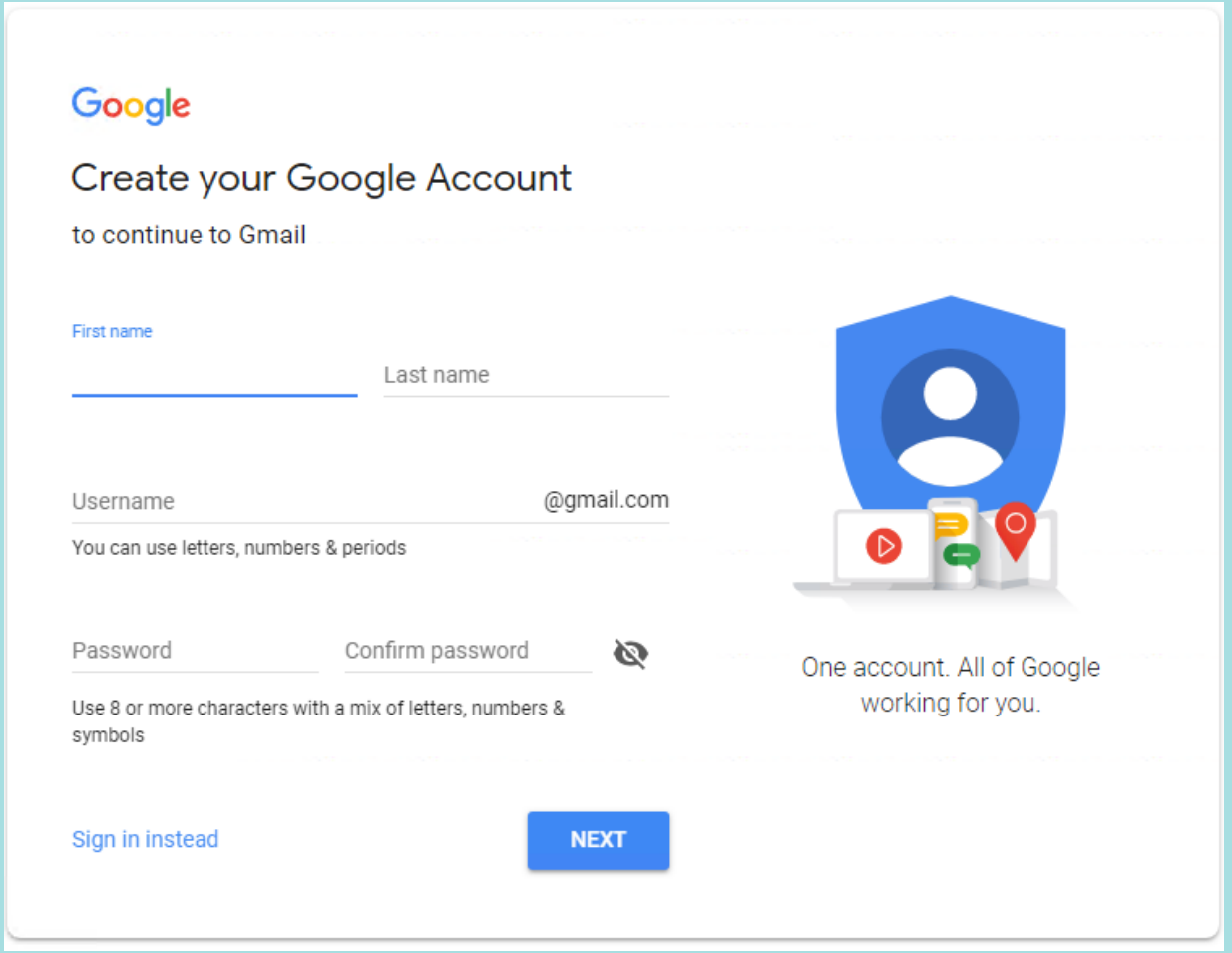
Facebook and Line groups

Google colab

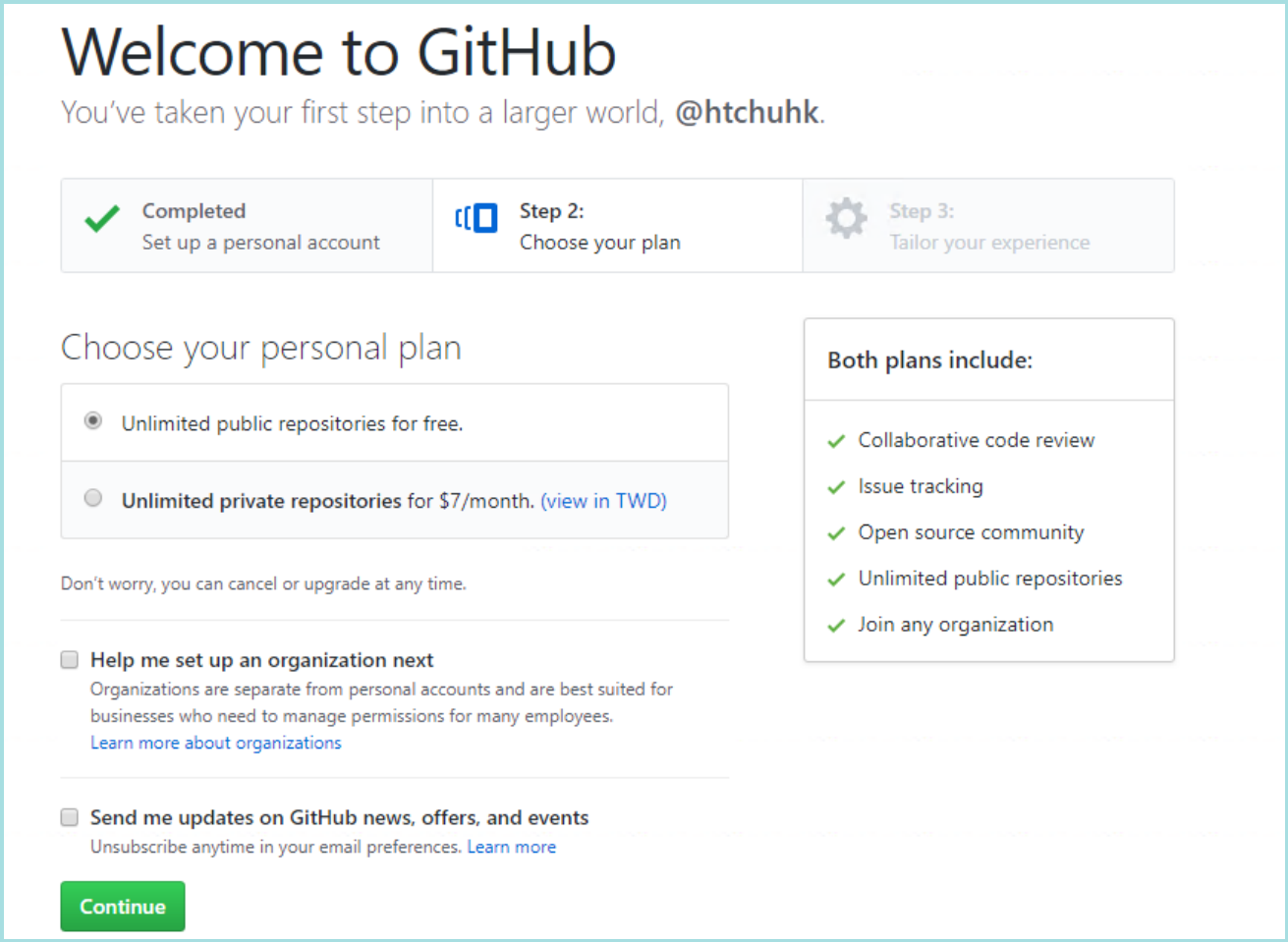


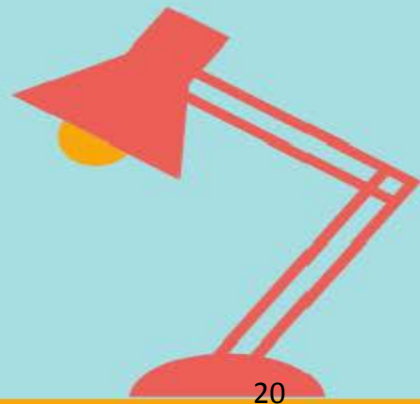
?hl=en

Google Account



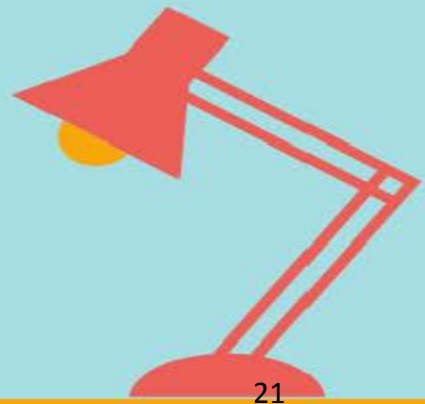
Github


Welcome to GitHub
You've taken your first step into a larger world, @htchuhk.
Completed
Set up a personal account
Step 2:
Choose your plan
Step 3:
Tailor your experience
Choose your personal plan
Unlimited public repositories for free.
Unlimited private repositories for $7/month. (view in TWD)
Don't worry, you can cancel or upgrade at any time.
Help me set up an organization next
Organizations are separate from personal accounts and are best suited for businesses who need to manage permissions for many employees.
Learn more about organizations
Send me updates on GitHub news, offers, and events
Unsubscribe anytime in your email preferences. Learn more
Continue
Both plans include:
Collaborative code review
Issue tracking
Open source community
Unlimited public repositories
Join any organization

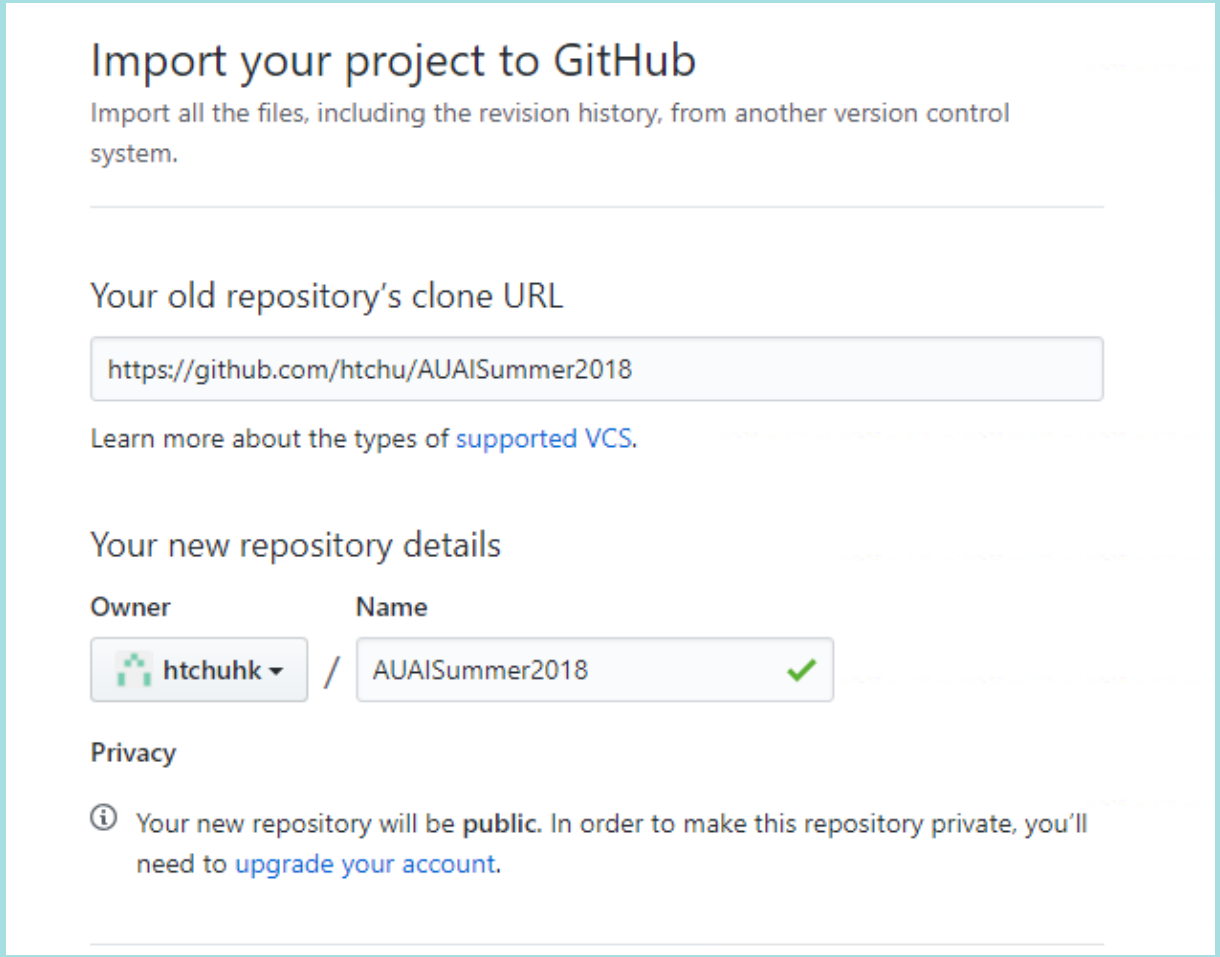


Assignment 1A

- Step 1: Clone the teacher's github repository
  - https://github.com/htchu/AUAISummer2018
- Step 2: Open colab and create a new notebook
  - https://colab.research.google.com
- Step 3: Edit the notebook with text cells
  - https://guides.github.com/features/mastering-markdown/
- Step 4:
  - Rename the notebook: Untitled.ipynb->day1a.ipynb
  - Copy the notebook to GitHub
  - Check the notebook on GitHub



Clone the teacher's github repository



Thanks!

Q&A