

LAB 8

Programming, Due 17:00, Tuesday, May 2nd, 2023

注意事項

1. Lab 的繳交期限為**星期二(5/02) 17:00 p.m.**。
2. Lab 的分數分配：Lab 分數 100%。
3. 請儘量於 Lab 時段完成練習，完成後請找助教檢查，檢查後即可離開。
4. 檔名規定：檔名錯誤將記為 0 分
 - i. Lab: 請用 **學號_LabNumber** 為檔名做一個資料夾(e.g., N96091350_Lab8)，將 **ipynb** 檔放入資料夾，壓縮後上傳至課程網站(e.g., N96091350_Lab8.zip)。
 - ii. Bonus: 請用 **學號_bonus** 為檔名做一個資料夾(e.g., N96091350_bonus)，將 **ipynb** 檔放入資料夾，壓縮後上傳至課程網站(e.g., N96091350_bonus.zip)。
5. **Code** 中需有註解。
6. 未完成者可於下周一 **(5/08) 09:00 a.m.** 前上傳至 Moodle，惟補交的分數將乘以 0.8 計，超過期限後不予補交。
7. Bonus 需於下周一 **(5/08) 09:00 a.m.** 前上傳至 Moodle，不予補交。
8. 準時繳交者，請交至「Lab8 準時繳交區」；補交者，請交至「Lab8 補交區」；bonus 請繳交至「bonus 繳交區」。

請勿抄襲，抄襲者與被抄襲者本次作業皆 0 分計算

Numerical Method

National Cheng Kung University

Department of Engineering Science

Instructor: Chi-Hua Yu

1. (100%) Name your Jupyter notebook `THSR_GUI.ipynb`. Please use `flet` to complete the GUI of the Taiwan High Speed Rail fare query system. The size of all widgets is not mandatory, but please be roughly the same as the example. You can use the widgets like `Page`, `Text`, `ElevatedButton`, `Row`, `Column` from `flet` to complete this lab.

Below is the running example:

Taiwan High Speed Rail Fare System

Please select a start station

Nangang	Taipei	Banqiao	Taoyuan
Hsinchu	Miaoli	Taichung	Changhua
Yunlin	Chiayi	Tainan	Zuoying

Please select an end station

Nangang	Taipei	Banqiao	Taoyuan
Hsinchu	Miaoli	Taichung	Changhua
Yunlin	Chiayi	Tainan	Zuoying

Calculate the fare

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Taiwan High Speed Rail Fare System

Please select a start station

Nangang	<input checked="" type="checkbox"/> Taipei	Banqiao	Taoyuan
Hsinchu	Miaoli	Taichung	Changhua
Yunlin	Chiayi	Tainan	Zuoying

Please select an end station

Nangang	Taipei	Banqiao	Taoyuan
Hsinchu	Miaoli	Taichung	Changhua
Yunlin	Chiayi	<input checked="" type="checkbox"/> Tainan	Zuoying

Calculate the fare

The start station of your choice : Taipei
The end station of your choice : Tainan

Taiwan High Speed Rail Fare System

Please select a start station

Nangang	Taipei	Banqiao	Taoyuan
Hsinchu	Miaoli	Taichung	Changhua
Yunlin	Chiayi	Tainan	Zuoying

Please select an end station

Nangang	Taipei	Banqiao	Taoyuan
Hsinchu	Miaoli	Taichung	Changhua
Yunlin	Chiayi	Tainan	Zuoying

☒ Calculate the fare

The start station of your choice : Taipei
The end station of your choice : Tainan
The ticket fare of Standard Car is : 1,350
The ticket fare of Business Car is : 2,230