

- (a.1) kachu\_025
- (a.2) 520\_uhcakiP
- (a.3) 將 Height 改為 height
- (a.4) 1
- (a.5) max 指令屬於 math 函式庫，需先引入
- (a.6) 需先將 height 轉換為字串
- (a.7) 將前置空格刪除
- (a.8) 沒有\*=的語法，把=刪除
- (a.9) 沒有宣告 a 的變數

(b)

Please enter the time of data in [xx:xx]:00:00

Please enter the wind direction of data in [degree]:207.2

Please enter the wind speed of data in [m/s]:2.433

At 00:00 (LST), the u-component of wind is 1.1121192565338025 m/s, and the v-component of wind is 2.163950036217727 m/s, NE wind.

```
[b11209013@study hw1]$ python hw1b.py
Please enter the time of data in [xx:xx]:00:00
Please enter the wind direction of data in [degree]:207.2
Please enter the wind speed of data in [m/s]:2.433
At 00:00 (LST), the u-component of wind is 1.1121192565338025 m/s, and the v-component of wind is 2.163950036217727 m/s, NE wind.
```

(c)

Please enter the time of data in [xx:xx]:00:00

Please enter the wind direction of data in [degree]:207.2

Please enter the wind speed of data in [m/s]:2.433

At 00:00 (LST), the u-component of wind is 1.1121192565338025 m/s, and the v-component of wind is 2.163950036217727 m/s, SW wind.

Please enter the time of data in [xx:xx]:06:00

Please enter the wind direction of data in [degree]:215.3

Please enter the wind speed of data in [m/s]:1.817

At 06:00 (LST), the u-component of wind is 1.0499673035048296 m/s, and the v-component of wind is 1.4829220011756508 m/s, SW wind.

Please enter the time of data in [xx:xx]:12:00

Please enter the wind direction of data in [degree]:259.3

Please enter the wind speed of data in [m/s]:2.033

At 12:00 (LST), the u-component of wind is 1.9976518153731697 m/s, and the v-component of wind is 0.377460229078878 m/s, SW wind.

Please enter the time of data in [xx:xx]:18:00

Please enter the wind direction of data in [degree]:79.0

Please enter the wind speed of data in [m/s]:1.517

At 18:00 (LST), the u-component of wind is -1.4891284372901061 m/s, and the v-component of wind is -0.2894572459862183 m/s, NE wind.

```

[b11209013@study hw1]$ python hw1c.py
Please enter the time of data in [xx:xx]:00:00
Please enter the wind direction of data in [degree]:207.2
Please enter the wind speed of data in [m/s]:2.433
At 00:00 (LST), the u-component of wind is 1.1121192565338025 m/s, and the v-component of wind is 2.163950036217727 m/s, SW wind.
Please enter the time of data in [xx:xx]:06:00
Please enter the wind direction of data in [degree]:215.3
Please enter the wind speed of data in [m/s]:1.817
At 06:00 (LST), the u-component of wind is 1.0499673035048296 m/s, and the v-component of wind is 1.4829220011756508 m/s, SW wind.
Please enter the time of data in [xx:xx]:12:00
Please enter the wind direction of data in [degree]:259.3
Please enter the wind speed of data in [m/s]:2.033
At 12:00 (LST), the u-component of wind is 1.9976518153731697 m/s, and the v-component of wind is 0.377460229078878 m/s, SW wind.
Please enter the time of data in [xx:xx]:18:00
Please enter the wind direction of data in [degree]:79.0
Please enter the wind speed of data in [m/s]:1.517
At 18:00 (LST), the u-component of wind is -1.4891284372901061 m/s, and the v-component of wind is -0.2894572459862183 m/s, NE wind.

```