

Lab087 : Python String Formatting

格式化字串

(別怕! 跟著做你就會!)

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請至 www.hcdtech.com.tw 下載教材



<http://www.hcdtech.com.tw/Python.htm>



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所有的考卷都可以考100分，是我們自己錯過了！

學習秘訣=發問+練習

考卷發下去，時間到了收回來，如果沒有考到100分，這很正常。重點來了，不會的可以問，問完了練習，準備好了考卷再發下去。第二次還是沒有考到100分，這也很正常。沒關係，再來一次，不會的可以問，問完了練習，準備好了考卷第三次再發下去，.....，考到第N次如果還是沒有考到100分。沒關係，再來，不會的可以問，問完了練習，N+1次、N+2次、.....，你們都很聰明，知道我在說什麼，到最後考卷一定可以考100分！看懂了妳/你就會知道，原來學習的秘訣就是發問和練習！今天開始不懂就問，問完了練習，明年的妳/你肯定不一樣！

學習如何學習！

1

1 2

1 2 3

.....

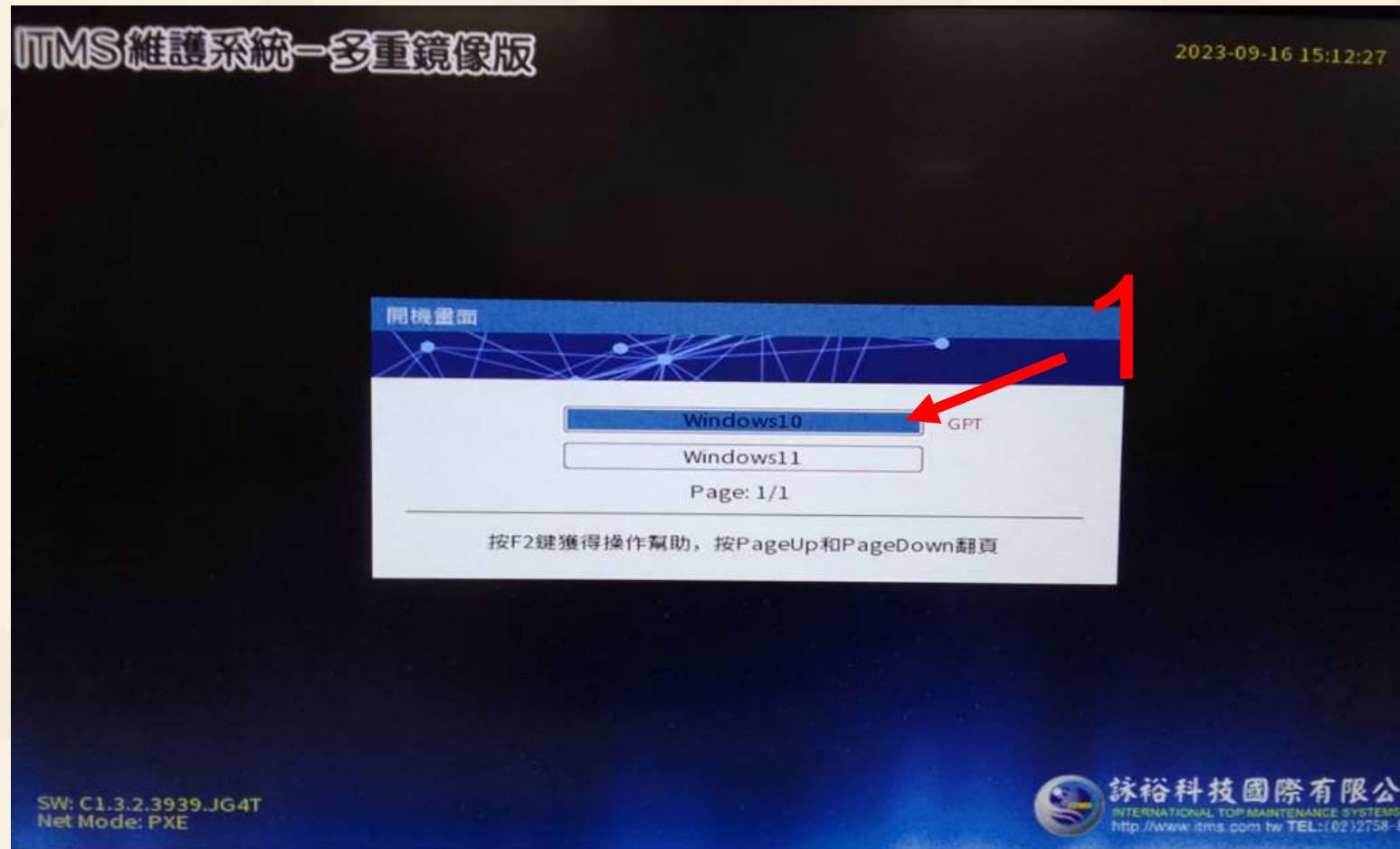
1 2 3 4 5 6 7 8 9 10

金字塔念書法



如果一本書有10個章節！先看第1章，在看第2章之前再把第1章看一遍，在看第3章之前再把第1, 2章看一遍，.....，等看到第10章的時候，第1, 2, 3, 4章恐怕已經背起來了！我稱這種念書法為金字塔念書法，今天開始照著做，明年的妳/你肯定不一樣！

請使用 Windows 10



1. 選用 Windows 10.

善用 Google 翻譯

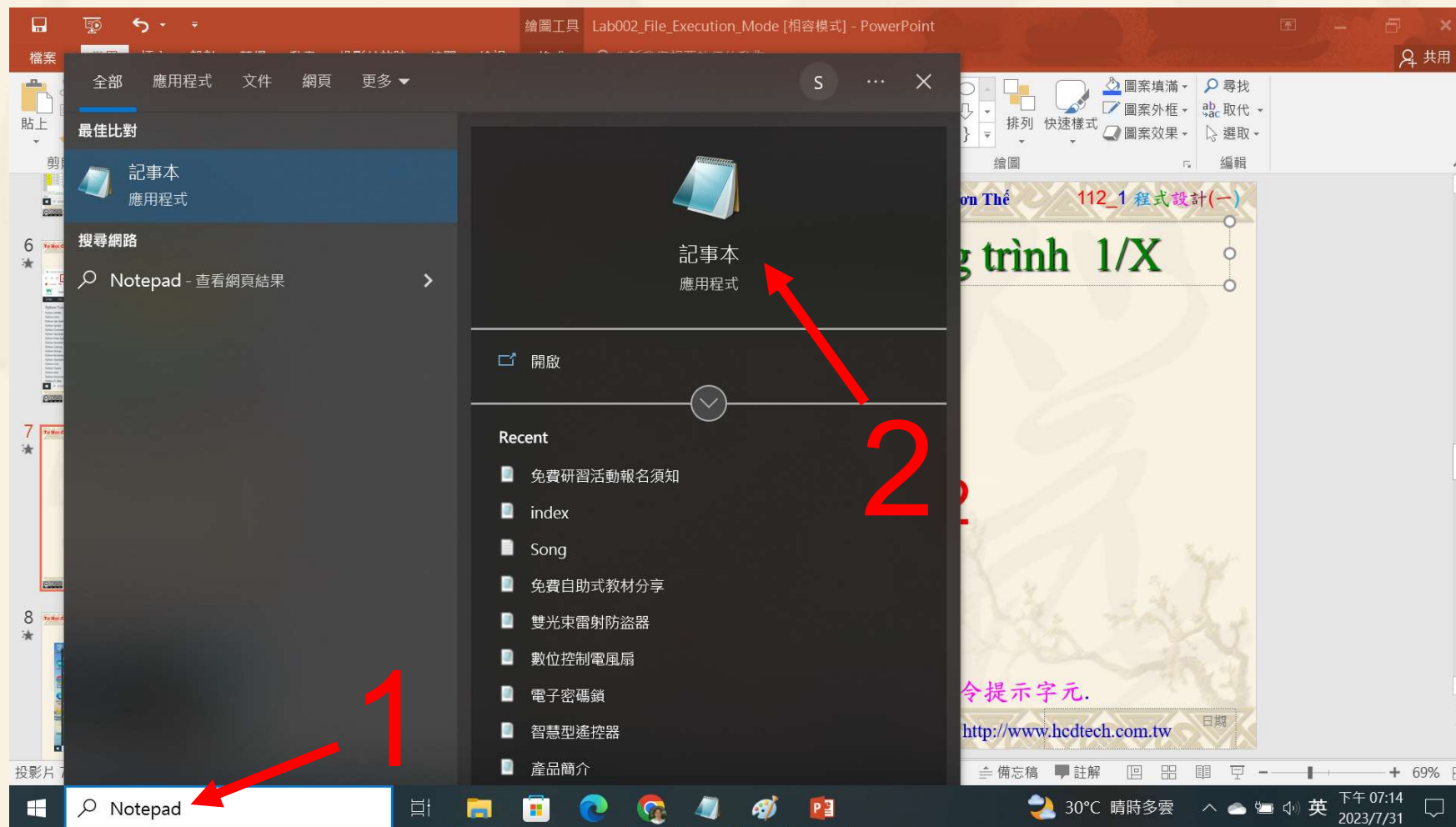


請先開啟網頁閱讀

The screenshot shows a web browser window with the address bar containing `w3schools.com/python/python_string_formatting.asp`. The page content includes a navigation menu with 'PYTHON' selected, a title 'Python String Formatting', and a main text area starting with 'To make sure a string will display as expected, we can format the result with the `format()` method.'

A yellow callout box with the text '請用善用Google翻譯讀懂網頁內容' (Please use Google Translate to understand the website content) is overlaid on the page. A red box highlights the address bar, and a yellow arrow points from the callout box to it.

建立程式文件 1/4



1. 鍵盤輸入Notepad. 2. 用滑鼠點選記事本.

建立程式文件 2/4

*未命名 - 記事本

檔案(F) 編輯(E) 格式(O) 檢視(V) 說明

```
print("P11211XXX practices Lab087.")
```

Replace P11211XXX with your student ID

```
#Add a placeholder where you want to display the price:
```

```
cost = 35
```

```
content = "The cost is {} dollars"
```

```
print(content.format(cost))
```

```
#Format the price to be displayed as a number with two decimals:
```

```
content = "The cost is {:.2f} dollars"
```

```
print(content.format(cost))
```

```
#Add more placeholders:
```

```
quantity, itemno, price = 2, 217, 38
```

```
MyOrder = "I want {} cakes of item number {} for {:.1f} dollars."
```

```
print(MyOrder.format(quantity, itemno, price))
```

```
#Add indexes:
```

```
MyOrder = "I want {2} cakes of item number {0} for {1:.1f} dollars."
```

```
print(MyOrder.format(quantity, itemno, price))
```

```
#Index more than once:
```

```
MyID, fruit = "P11211XXX", "apple"
```

```
txt = "My student ID is {0}. {0} likes {1}."
```

```
print(txt.format(MyID, fruit))
```

Replace P11211XXX with your student ID

```
#Named indexes:
```

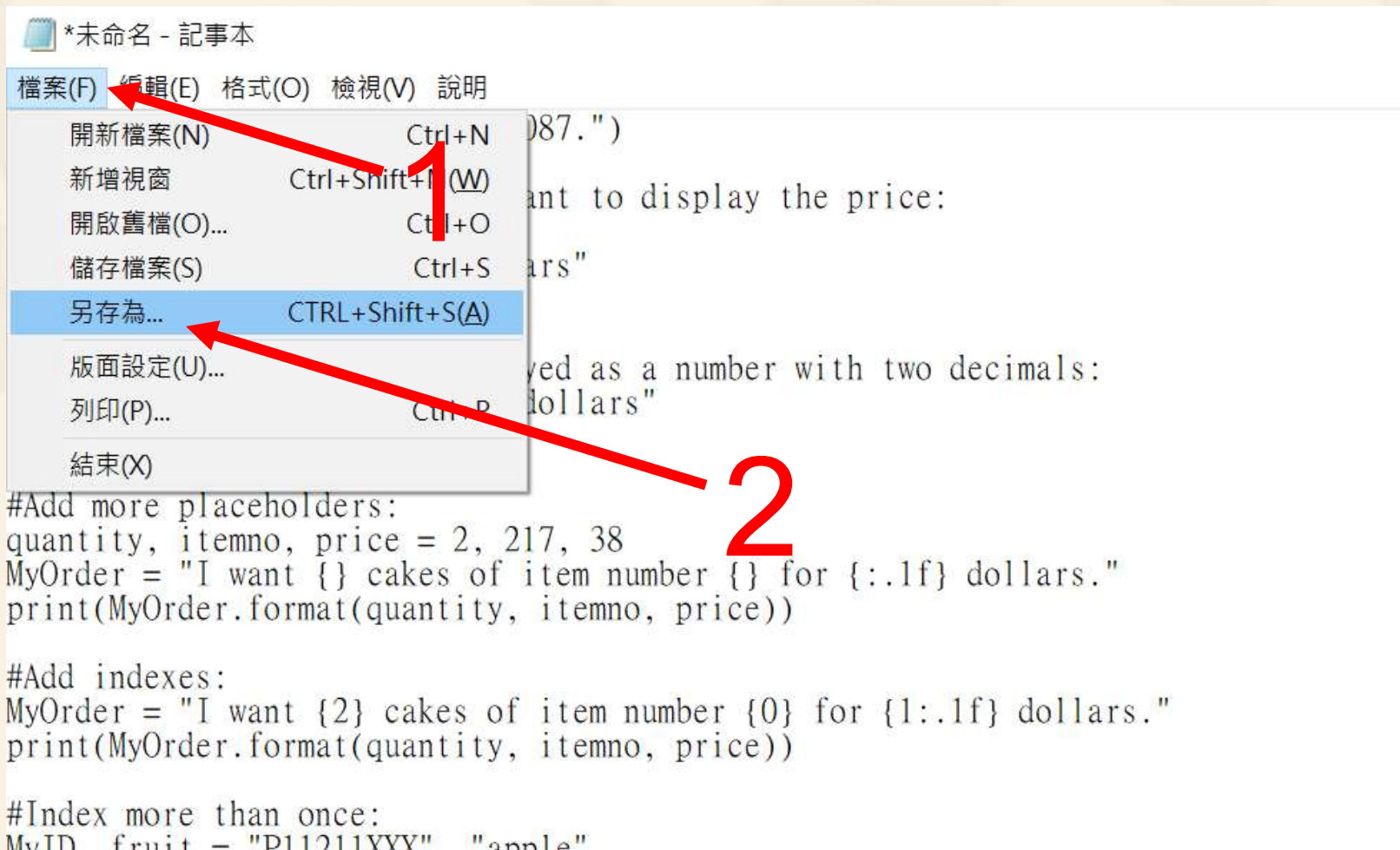
```
txt = "My student ID is {MyID}. {MyID} likes {fruit}."
```

```
print(txt.format(fruit = "orange", MyID = "P11211XXX"))
```



1. 用鍵盤輸入程式代碼.

建立程式文件 3/4



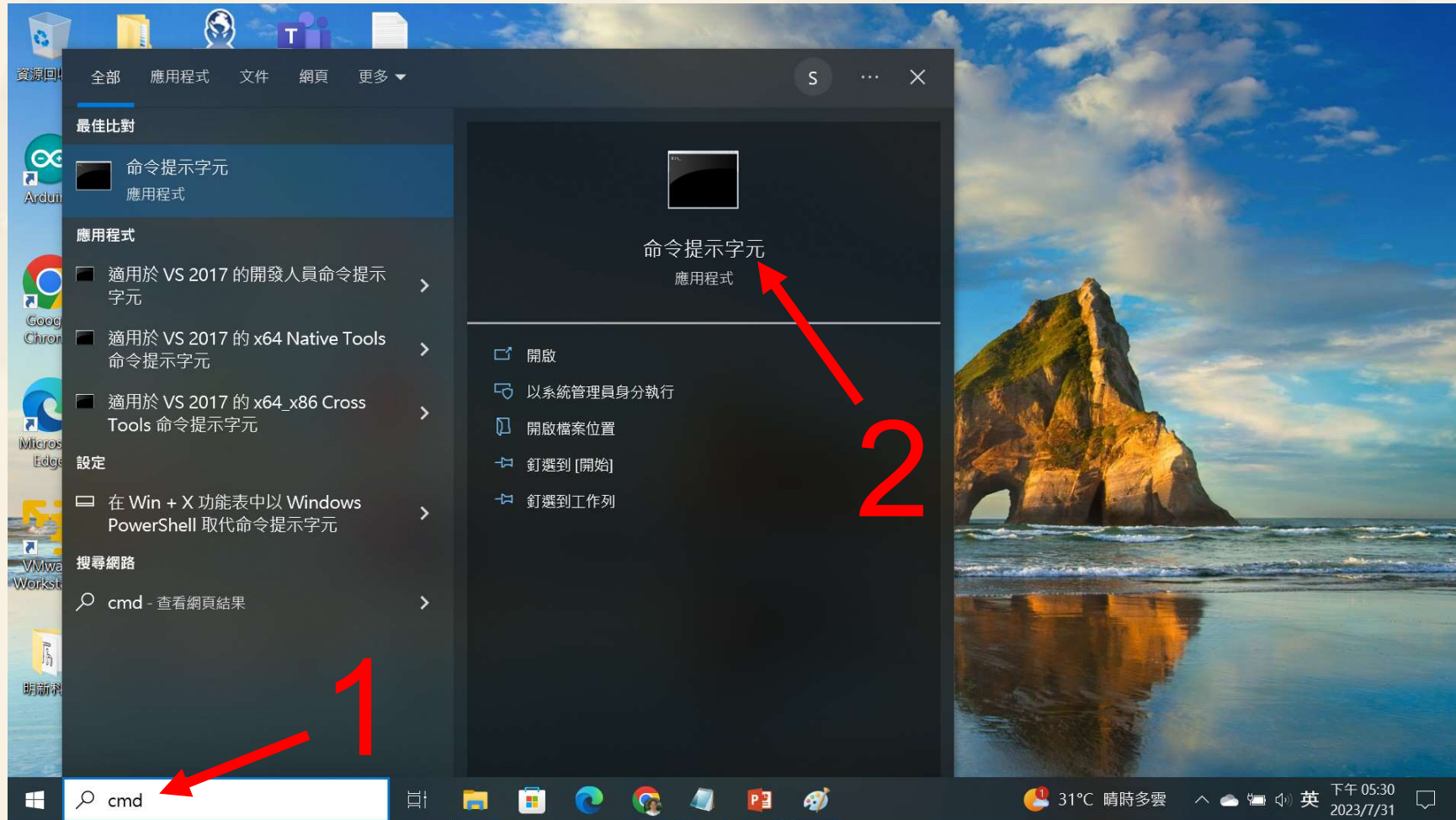
1. 用滑鼠點選檔案. 2. 用滑鼠點選另存為....

建立程式文件 4/4



1. 資料夾 = C:\使用者>User>.
2. 檔案名稱 = P11211XXX.py .
3. 存檔類型(T) = 所有檔案.
4. 用滑鼠點選存檔.

Chế độ thực thi tệp 1/2



1. 鍵盤輸入cmd.
2. 用滑鼠點選命令提示字元.

Chế độ thực thi tệp 2/2

命令提示字元

```
Microsoft Windows [版本 10.0.19045.3324]  
(c) Microsoft Corporation. 著作權所有，並保留一切權利。  
C:\Users\User>Python P11211XXX.py
```

Replace P11211XXX with your student ID

1

2

1. 用鍵盤輸入Python P11211XXX.py .
2. 按一下Enter.

Verification Criteria of Lab087

(Lab087的驗收規範)格式化字串

P11211XXX 必需更換為您的學號

```

C:\> 命令提示字元
Microsoft Windows [版本 10.0.19045.3570]
(c) Microsoft Corporation. 著作權所有，並保留一切權利。
C:\Users\User>Python P11211XXX.py
P11211XXX practices Lab087.
The cost is 35 dollars
The cost is 35.00 dollars
I want 2 cakes of item number 217 for 38.0 dollars.
I want 38 cakes of item number 2 for 217.0 dollars.
My student ID is P11211XXX. P11211XXX likes apple.
My student ID is P11211XXX. P11211XXX likes orange.
C:\Users\User>
    
```

Ask the teacher to give you points after completing the illustrated results.

(完成右圖指定成果後請教師在您的座位驗收並讓您簽名加分)

```

print("P11211XXX practices Lab087.")

#Add a placeholder where you want to display the price:
cost = 35
content = "The cost is {} dollars"
print(content.format(cost))

#Format the price to be displayed as a number with two decimals:
content = "The cost is {:.2f} dollars"
print(content.format(cost))

#Add more placeholders:
quantity, itemno, price = 2, 217, 38
MyOrder = "I want {} cakes of item number {} for {:.1f} dollars."
print(MyOrder.format(quantity, itemno, price))

#Add indexes:
MyOrder = "I want {2} cakes of item number {0} for {1:.1f} dollars."
print(MyOrder.format(quantity, itemno, price))

#Index more than once:
MyID, fruit = "P11211XXX", "apple"
txt = "My student ID is {0}. {0} likes {1}."
print(txt.format(MyID, fruit))

#Named indexes:
txt = "My student ID is {MyID}. {MyID} likes {fruit}."
print(txt.format(fruit = "orange", MyID = "P11211XXX"))
    
```

Every student must do Lab087 once!

養成良好的工作態度

- 離開實驗室時請整理自己的工作座位，為自己的工作態度加分：
 - (1)滑鼠鍵盤歸位 (2)電腦關機 (3)螢幕關閉電源 (4)椅背靠妥 (5)個人責任區(工作座位及週邊範圍)應整潔，不遺留垃圾紙屑等。

