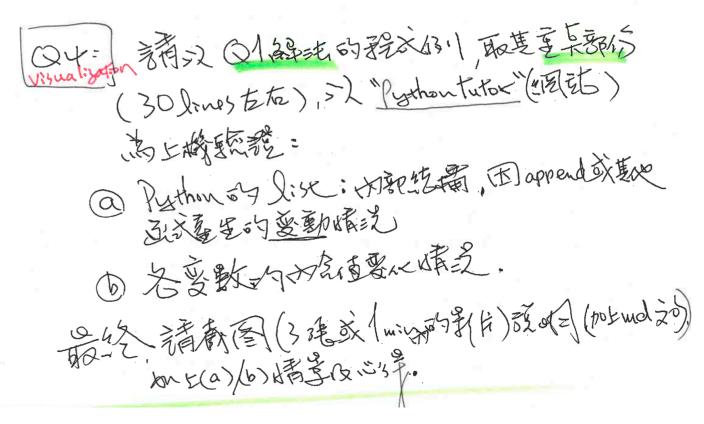
Homework 02

Question 4

for MEG304301

張皓鈞 B11030202



Key Part Code

```
import random

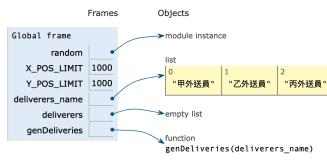
X_POS_LIMIT = 1000

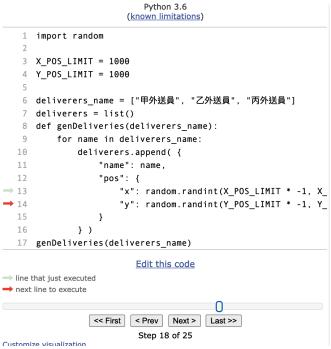
Y_POS_LIMIT = 1000

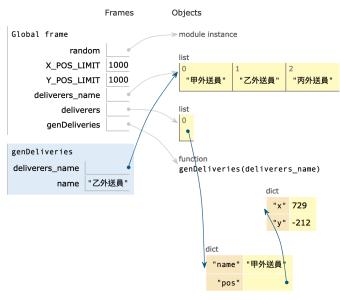
deliverers_name = ["甲外送員", "乙外送員", "丙外送員"]
deliverers = list()
def genDeliveries(deliverers_name):
    for name in deliverers_name:
    deliverers.append( {
        "name": name,
        "pos": {
            "x": random.randint(X_POS_LIMIT * -1, X_POS_LIMIT),
            "y": random.randint(Y_POS_LIMIT * -1, Y_POS_LIMIT)
        }
    })
```

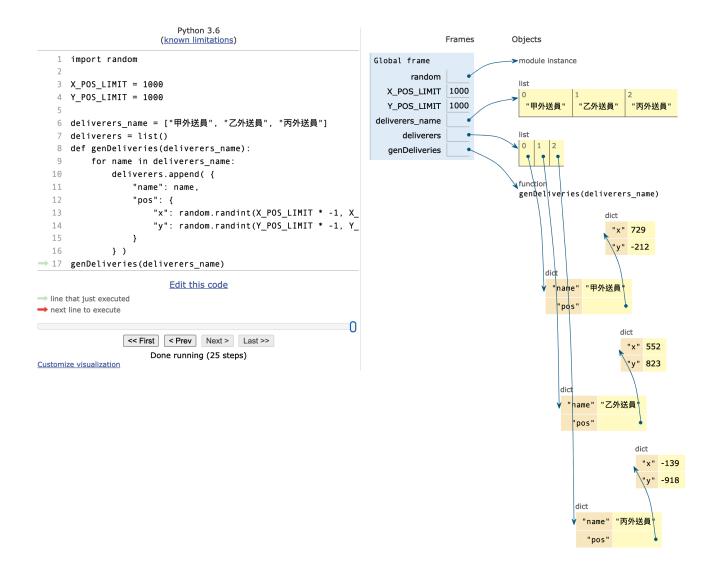
Results Screehsots











說明

可以看見,一開始先宣告deliverers_name陣列存放外送員名單,然後利用genDeliverers()函數按名單產生外送員的完整資訊,其中的for迴圈遍歷整個deliverers_name陣列,並在新的deliverers陣列中append完整資訊的dict,其中包括name及pos資訊

心得

使用Python Tutor可以很方便的的將程式運行的過程具象化,並且把執行的過程逐幀拆解,可以很方便的對程式 進行偵錯,也可以快速了解程式對於資料的管控及操作,是相當方便的工具。