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Class: TE IT
Batch: B

Experiment No.: 1

Code:

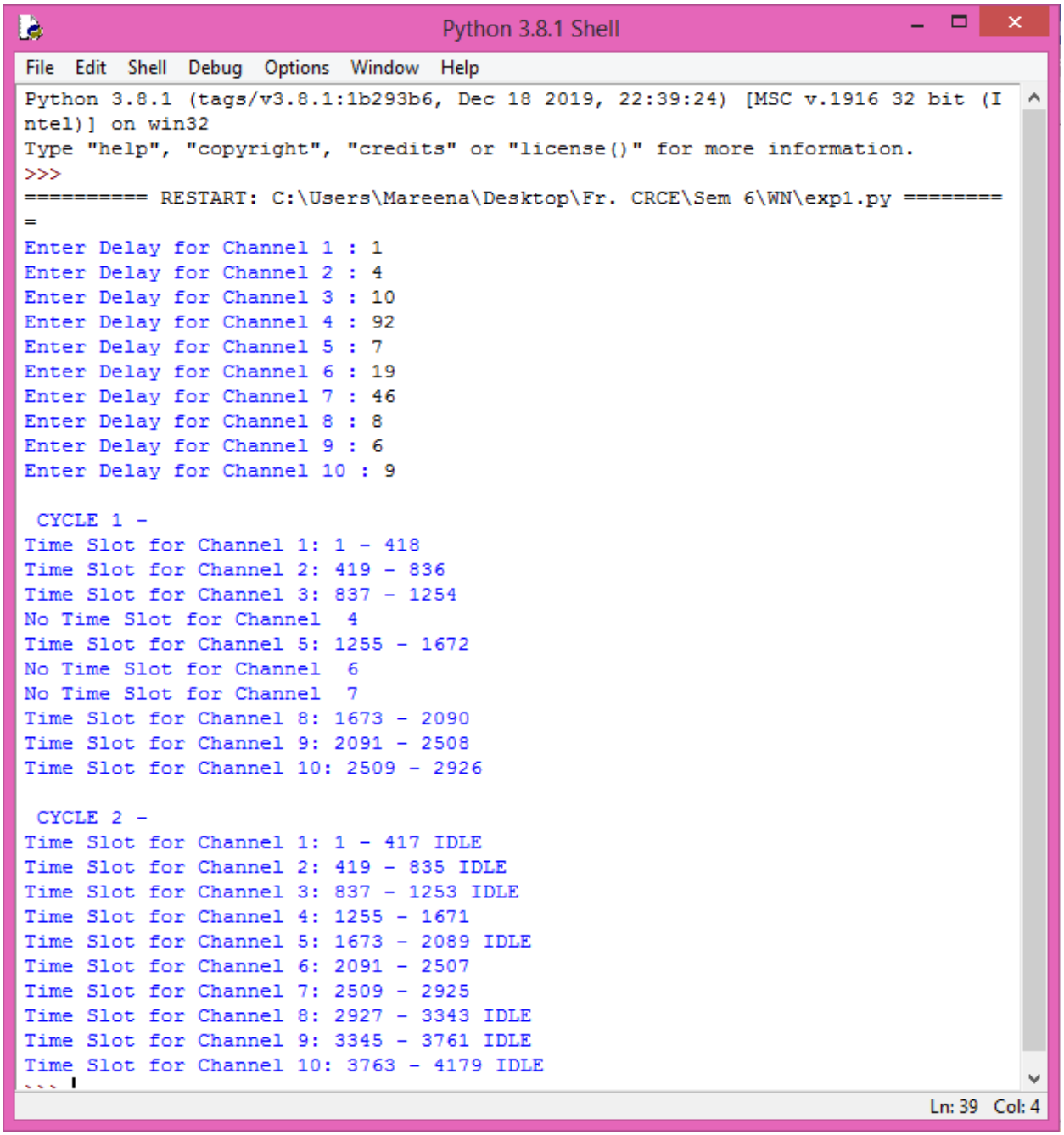
```
delays = []
prevTimeSlotEnd = 0

for i in range(0, 10):
   delays.append(int(input("Enter Delay for Channel " + str(i+1) + " : ")))

print("\n CYCLE 1 - ")
for i, delay in enumerate(delays):
   if delay > 10:
      print("No Time Slot for Channel ", i+1)
   else:
      print("Time Slot for Channel " + str(i+1) +": "+ str( prevTimeSlotEnd+1) + " - " + str(
prevTimeSlotEnd+418 ))
      prevTimeSlotEnd += 418

prevTimeSlotEnd = 0
print("\n CYCLE 2 - ")
for i, delay in enumerate(delays):
   if delay > 10:
      print("Time Slot for Channel " + str(i+1) +": "+ str( prevTimeSlotEnd+1) + " - " + str(
prevTimeSlotEnd+417 ))
      prevTimeSlotEnd += 418
   else:
      print("Time Slot for Channel " + str(i+1) +": "+ str( prevTimeSlotEnd+1) + " - " + str(
prevTimeSlotEnd+417 ) + " IDLE ")
      prevTimeSlotEnd += 418
```

Output:


Python 3.8.1 Shell
File Edit Shell Debug Options Window Help
Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 22:39:24) [MSC v.1916 32 bit (I
ntel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:\Users\Mareena\Desktop\Fr. CRCE\Sem 6\WN\exp1.py ========
=
Enter Delay for Channel 1 : 1
Enter Delay for Channel 2 : 4
Enter Delay for Channel 3 : 10
Enter Delay for Channel 4 : 92
Enter Delay for Channel 5 : 7
Enter Delay for Channel 6 : 19
Enter Delay for Channel 7 : 46
Enter Delay for Channel 8 : 8
Enter Delay for Channel 9 : 6
Enter Delay for Channel 10 : 9
CYCLE 1 -
Time Slot for Channel 1: 1 - 418
Time Slot for Channel 2: 419 - 836
Time Slot for Channel 3: 837 - 1254
No Time Slot for Channel 4
Time Slot for Channel 5: 1255 - 1672
No Time Slot for Channel 6
No Time Slot for Channel 7
Time Slot for Channel 8: 1673 - 2090
Time Slot for Channel 9: 2091 - 2508
Time Slot for Channel 10: 2509 - 2926
CYCLE 2 -
Time Slot for Channel 1: 1 - 417 IDLE
Time Slot for Channel 2: 419 - 835 IDLE
Time Slot for Channel 3: 837 - 1253 IDLE
Time Slot for Channel 4: 1255 - 1671
Time Slot for Channel 5: 1673 - 2089 IDLE
Time Slot for Channel 6: 2091 - 2507
Time Slot for Channel 7: 2509 - 2925
Time Slot for Channel 8: 2927 - 3343 IDLE
Time Slot for Channel 9: 3345 - 3761 IDLE
Time Slot for Channel 10: 3763 - 4179 IDLE
Ln: 39 Col: 4

Post labs:

Q1. TDMA is a multiple access technique that has
a. Different users in different time slots
b. Each user is assigned unique frequency slots
c. Each user is assigned a unique code sequence
d. Each signal is modulated with frequency modulation technique

Answer: a. Different users in different time slots

Q2. In TDMA, the user occupies the whole bandwidth during transmission.
a. True
b. False

Answer: a. True

Q3. TDMA allows the user to have
a. Use of same frequency channel for same time slot
b. Use of same frequency channel for different time slot
c. Use of same time slot for different frequency channel
d. Use of different time slot for different frequency channels

Answer: a. Use of same frequency channel for different time slot