

VITYARTHI CODE

```
1 print("=== Timetable Helper ===")
2 n = int(input("How many subjects do you have? "))
3 subjects = []
4 for i in range(n):
5     subjects.append(input(f"Enter subject #{i+1} name: "))
6 days = ["Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"]
7 # Time slots
8 two_slots = ["8:30AM", "10:05AM", "11:35AM"]
9 three_slots = ["8:30AM", "10:05AM", "11:35AM"]
10 self_study_label = "Self Study"
11 timetable = {}
12 index = 0
13 for day in days:
14     timetable[day] = []
15     if day == "Sun":
16         # No classes on Sunday
17         timetable[day].append(("Self Study", "No Classes"))
18         continue
19     # Monday and Friday "8:30AM", "10:05AM"
20     if day in ["Mon", "Fri"]:
21         for slot in three_slots:
22             timetable[day].append((slot, subjects[index % n]))
23             index += 1
24         # Add self study at end
25         timetable[day].append(("1:15PM", self_study_label))
26     else:
27         # Other days → 2 classes + 1 self study
28         timetable[day].append((two_slots[0], subjects[index % n]))
29         index += 1
30         timetable[day].append((two_slots[1], subjects[index % n]))
31         index += 1
32         timetable[day].append((two_slots[2], self_study_label))
33 print("\n===== WEEKLY TIMETABLE =====\n")
34 for day in days:
35     print(day + ":")
36     for time, sub in timetable[day]:
37         print(f"    {time} - {sub}")
38     print()
```

INPUT

```
PS C:\Users\HP\Desktop\python> & C:/Users/HP/AppData/Local/Programs/Python/Python39-64/Scripts/python.exe C:/Users/HP/Desktop/Timetable_Helper.py
=== Timetable Helper ===
How many subjects do you have? 5
Enter subject #1 name: EEE
Enter subject #2 name: PHY
Enter subject #3 name: CHEM
Enter subject #4 name: CAL
Enter subject #5 name: CSE
```

OUTPUT:

```
===== WEEKLY TIMETABLE =====
```

Mon:

```
8:30AM - EEE
10:05AM - PHY
11:35AM - CHEM
1:15PM - Self Study
```

Tue:

```
8:30AM - CAL
10:05AM - CSE
11:35AM - Self Study
```

Wed:

```
8:30AM - EEE
10:05AM - PHY
11:35AM - Self Study
```

Thu:

```
8:30AM - CHEM
10:05AM - CAL
11:35AM - Self Study
```

Fri:

```
8:30AM - CSE
10:05AM - EEE
11:35AM - PHY
1:15PM - Self Study
```

Sat:

```
8:30AM - CHEM
10:05AM - CAL
11:35AM - Self Study
```

Sun:

```
Self Study - No Classes
```

BY:

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