CODE-

```python
print("=== Timetable Generator ===")

# How many subjects?
n = int(input("How many subjects do you have ? "))

# Take subject names
subjects = []
for i in range(n):
    subjects.append(input(f"Enter subject #{i+1} name: "))

# Days of week
days = ["Mon", "Tue", "Wed", "Thu", "Fri", "Sat", "Sun"]

# Time slots
two_slots = ["8:30AM", "1:15PM", "Self Study"]      # for Tue, Wed, Thu, Sat (2 classes + 1 self study)
three_slots = ["8:30AM", "1:15PM", "2:50PM"]         # for Mon & Fri (3 classes)
self_study_label = "Self Study"

timetable = {}
index = 0

for day in days:
    timetable[day] = []

    if day == "Sun":
        # No classes on Sunday
        timetable[day].append(("Holiday", "SELF STUDY+REVISION"))
        continue

    # Monday and Friday = 3 classes
    if day in ["Mon", "Fri"]:
        for slot in three_slots:
            timetable[day].append((slot, subjects[index % n]))
            index += 1
        # Add self study at end
        timetable[day].append(("4PM", self_study_label))

    else:
        # Other days = 2 classes + 1 self study
        timetable[day].append((two_slots[0], subjects[index % n]))
        index += 1

        timetable[day].append((two_slots[1], subjects[index % n]))
        index += 1

        timetable[day].append((two_slots[2], self_study_label))

# Print timetable
print("\n===== WEEKLY TIMETABLE =====\n")
for day in days:
    print(day + ":")
    for time, sub in timetable[day]:
        print(f"  {time} - {sub}")
    print()
```

OUTPUTS-

```
PS E:\python project vityarthi> & C:/Users/manup/AppData/Local/Microsoft/WindowsApps/python3.11.exe "e:/python project vityarthi/timetable maker.py"
=== Timetable Generator ===
How many subjects do you have ? 5
Enter subject #1 name: EEE
Enter subject #2 name: PHY
Enter subject #3 name: CALC
Enter subject #4 name: ENG
Enter subject #5 name: PYTHON

===== WEEKLY TIMETABLE =====

Mon:
  8:30AM - EEE
  1:15PM - PHY
  2:50PM - CALC
  4PM - Self Study

Tue:
  8:30AM - ENG
  1:15PM - PYTHON
  Self Study - Self Study
```

```
PS E:\python project vityarthi> & C:/Users/manup/AppData/Local/Microsoft/WindowsApps/python3.11.exe "e:/python project vityarthi/timetable maker.py"

Wed:
  8:30AM - EEE
  1:15PM - PHY
  Self Study - Self Study

Thu:
  8:30AM - CALC
  1:15PM - ENG
  Self Study - Self Study

Fri:
  8:30AM - PYTHON
  1:15PM - EEE
  2:50PM - PHY
  4PM - Self Study

Sat:
  8:30AM - CALC
  1:15PM - ENG
  Self Study - Self Study
```

```
PS E:\python project vityarthi> & C:/Users/manup/AppData/Local/Microsoft/WindowsApps/python3.11.exe "e:/python project vityarthi/timetable maker.py"
Fri:
  8:30AM - PYTHON
  1:15PM - EEE
  2:50PM - PHY
  4PM - Self Study

Sat:
  8:30AM - CALC
  1:15PM - ENG
  Self Study - Self Study

Sun:
  Holiday - SELF STUDY+REVISION

PS E:\python project vityarthi> 
```