

Team ID	PNT2022TMID0872419
Project Name	Signs with Smart Connectivity for Better Road Safety

```

1 import weather
2 from datetime import datetime as dt
3 # IMPORT SECTION ENDS
4 # UTILITY LOGIC SECTION STARTS
5 def processConditions(myLocation,APIKEY,localityInfo):
6     weatherData = weather.get(myLocation,APIKEY)
7     finalSpeed = localityInfo["usualSpeedLimit"] if "rain" not in weatherData else localityInfo["usualSpeedLimit"]
8     finalSpeed = finalSpeed if weatherData["visibility"]>35 else finalSpeed/2
9     if(localityInfo["hospitalsNearby"]):
10         # hzone of the hospital
11         doNotHonk = True
12     else:
13         if(localityInfo["schools"]["schoolZone"]==False):
14             # neither hospital zone nor school
15             doNotHonk = False
16         else:
17             # school zone
18             now = [dt.now().hour,dt.now().minute]
19             activeTime = [list(map(int,_.split(":"))) for _ in localityInfo["schools"]["activeTime"]]
20             doNotHonk = activeTime[0][0]<now[0]<activeTime[1][0] and activeTime[0][1]<now[1]<activeTime[1][1]
21     return({
22         "speed": finalSpeed,
23         "doNotHonk": doNotHonk
24     })
25

```

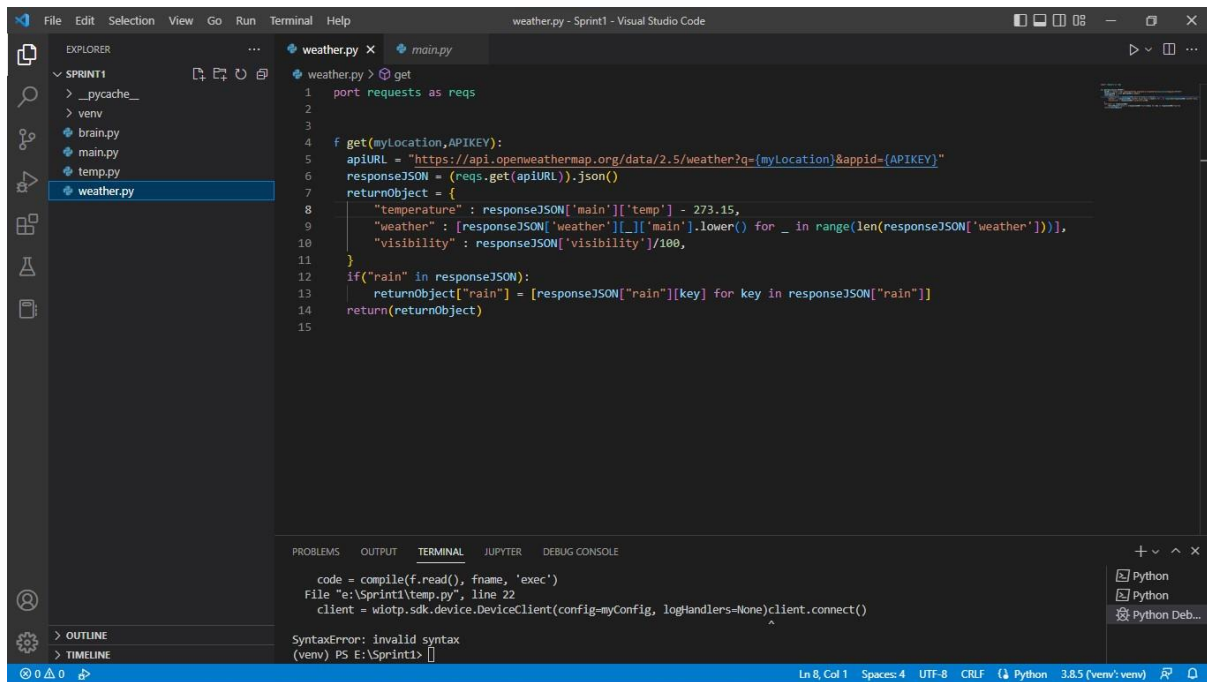
code = compile(f.read(), fname, 'exec')  
File "e:\Sprint1\temp.py", line 22  
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)client.connect()  
SyntaxError: invalid syntax  
(venv) PS E:\Sprint1>

```

1 import brain
2 # IMPORT SECTION ENDS
3 # USER INPUT SECTION STARTS
4 myLocation = "Chennai,IN"
5 APIKEY = "a562b562af8f0332ccb817d9757c1bbe"
6 localityInfo = {
7     "schools": {
8         "schoolZone": True,
9         "activeTime": ["7:00","17:30"] # schools active from 7 AM till 5:30 PM
10    },
11    "hospitalsNearby": False,
12    "usualSpeedLimit": 40 # in km/hr
13 }
14 # USER INPUT SECTION ENDS
15 # MICRO-CONTROLLER CODE STARTS
16 while True :
17     print(brain.processConditions(myLocation,APIKEY,localityInfo))
18

```

code = compile(f.read(), fname, 'exec')  
File "e:\Sprint1\temp.py", line 22  
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)client.connect()  
SyntaxError: invalid syntax  
(venv) PS E:\Sprint1>



## OUTPUT:

```
{  
  "Temperature": 20.05,  
}
```