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

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                                                                                                                                                                                                                                                                                                                                         Ф
                                                                                                                          brain.py ×
                                                                                                       # UTILITY LOGIC SECTION ENDS
# UTILITY LOGIC SECTION STARIS

def processConditions(myLocation,APIKEY,localityInfo):
weatherData = weather_get(myLocation,APIKEY)
finalSpeed = localityInfo["usualSpeedLimit"] if "rain" not in weatherData else localityInfo["usualSpeedLimit"]
finalSpeed = finalSpeed if weatherData["visibility"]>35 else finalSpeed/2
if(localityInfo["hospitalsWearby"]):
# hzone of the hospital
doNotHonk = True
else:

    ◆ brain.py > ⊕ processConditions
    1 import weather
    2 from datetime import datetime as dt

           ∨ SPRINT1
             > venv

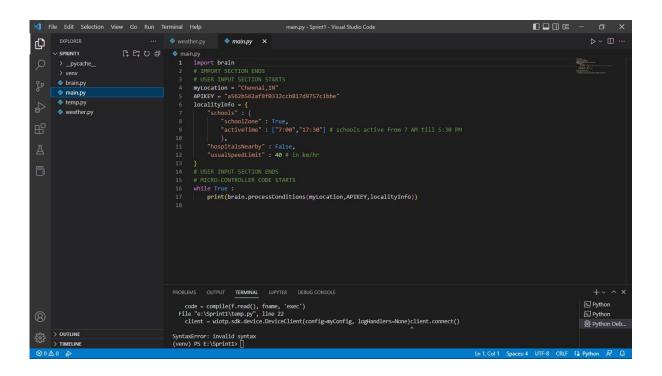
brain.py

main.py
              temp.pyweather.py
                                                                                                         else:

if(localityInfo["schools")["schoolZone"]==False):

# neither hospital zone nor school

doNotHonk = False
doNotHonk = False
else:
# school zone
now = [dt.now().hour,dt.now().minute]
activeTime = [list(map(int,_.split(":"))) for _ in localityInfo["schools"]["activeTime"]]
doNotHonk = activeTime[0][0]<-now[0]<-activeTime[1][0] and activeTime[0][1]<-now[1]<-activeTime[1][1]
return((
"speed" : finalSpeed,
"doNotHonk" : doNotHonk
))</pre>
                                                                                                                                                                                                                                                                                                                                                                          ≥ Python
≥ Python
                                                                                              code = compile(f.read(), fname, 'exec')
File "e:\Sprint1\temp.py", line 22
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)client.connect()
                                                                                                                                                                                                                                                                                                                                                                           Python Deb..
> OUTLINE
> TIMELINE
                                                                                          SyntaxError: invalid syntax (venv) PS E:\Sprint1> []
                                                                                                                                                                                                                                                               Ln 8, Col 26 Spaces: 2 UTF-8 CRLF () Python 3.8.5 (venv': venv) R Q
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file Edit Selection View Go Run Terminal Help
                                                                                                                                 weather.py - Sprint1 - Visual Studio Code
                                                                   O
                                            にいいます。 P weather.py > 分 get 1 port requests as reqs
          ∨ SPRINT1
         > SPRINT1
> __pycache__
> venv
brain.py
main.py
                                                                                f get(myLocation,APIKEY):
aptURL = "https://api.openweathermap.ong/data/2.5/weather?q={myLocation}&appid={APIKEY}"
responseJSON = (reqs.get(apiURL)).json()
returnObject = {
    "temperature" : responseJSON['main']['temp'] - 273.15,
    "weather' : [responseJSON['weather'][_]['main'].lower() for _ in range(len(responseJSON['weather'])]],
    "visibility" : responseJSON['visibility']/100,
           temp.py weather.py
                                                                                    }
if("rain" in responseJSON):
returnObject["rain"] = [responseJSON["rain"][key] for key in responseJSON["rain"]]
return(returnObject)
                                                                       PROBLEMS OUTPUT TERMINAL JUPYTER DEBUG CONSOLE
                                                                         code = compile(f.read(), fname, 'exec')
File "e:\Sprintl\temp.py", line 22
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)client.connect()
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≥ Python
                                                                                                                                                                                                                                                                                            > OUTLINE > TIMELINE
                                                                       SyntaxError: invalid syntax (venv) PS E:\Sprint1> []
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OUTPUT:

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