OUTPUT – SPRINT 2

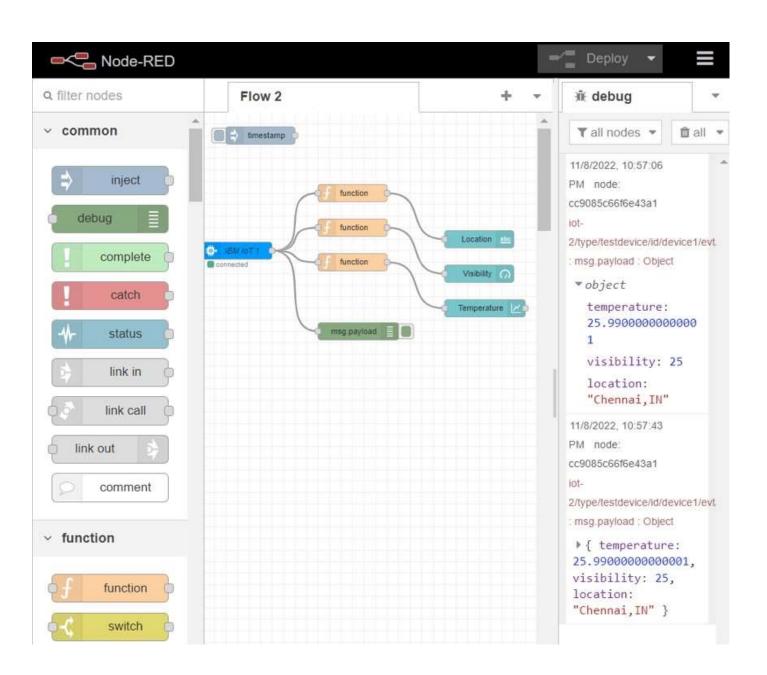
```
main.py - C:\Users\Dell\Desktop\Project\Project Development Phase\Sprint 2\main.py (3.9.7)
File Edit Format Run Options Window Help
# Python code
# IMPORT SECTION STARTS
import brain
# IMPORT SECTION ENDS
# USER INPUT SECTION STARTS
myLocation = "Chennai, IN"
APIKEY = "9cd610e5fd400c74212074c7ace0d62c"
localityInfo = {
    "schools" : {
        "schoolZone" : True,
        "activeTime" : ["7:00", "17:30"] # schools active from 7 AM till 5:30 PM
    "hospitalsNearby" : False,
    "usualSpeedLimit" : 40 # in km/hr
}
# USER INPUT SECTION ENDS
# MICRO-CONTROLLER CODE STARTS
print(brain.processConditions(myLocation, APIKEY, localityInfo))
...
MICRO CONTROLLER CODE WILL BE ADDED IN SPRINT 2 AS PER OUR PLANNED SPRINT SCHEDU
# MICRO-CONTROLLER CODE ENDS
```

```
A publishData.py - C\Users\Delf\Desktop\Project\Project Development Phase\Sprint Z\publish... - \
File Edit Format Run Options Window Help
# Python code
# IMPORT SECTION STARTS
import wiotp.sdk.device # python -m pip install wiotp
import time
# IMPORT SECTION ENDS
1 ------
# API CONFIG SECTION STARTS
myConfig = [
   "identity" : (
       "orgId" : "f59trs",
        "typeId" : "testdevice",
        "deviceId" : "device!"
    "auth" : 1
        "token" : "Jrwa7c80s2Zpq)WW18"
# API CONFIG SECTION ENDS
# FUNCTIONS SECTION STARTS
def myCommandCallback(cmd):
   print ("recieved cmd : ", cmd)
def logData2Cloud(location, temperature, visibility):
   client = wiotp.sdk.device.DeviceClient(config-myConfig,logHandlers-None)
    client.connect()
    client.publishEvent(eventId="status",msgFormat="json",data={
        "temperature" : temperature,
        "visibility" : visibility,
        "location" : location
    ), gos=0, onPublish=None)
   client.commandCallback = myCommandCallback
   client.disconnect()
```

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```
weather.py - C\Users\Dell\Desktop\Project\Project Development Phase\Sprint 2\weather.py ... -
File Edit Format Run Options Window Help
# Python code
import requests as reqs
def get (myLocation, APIKEY):
    apiURL = f"https://api.openweathermap.org/data/2.5/weather?q=(sylocation)&sp
    responseJSON = (reqs.get(apiURL)).json()
    returnObject = {
        "temperature" : responseJSON['main']['temp'] - 273.15,
        "weather" : [responseJSON['weather'][_]['main'].lower() for _ in range(1
        "visibility" : responseJSON['visibility']/100, # visibility in percentag
    if ("rain" in responseJSON):
        returnObject["rain"] = [responseJSON["rain"][key] for key in responseJSO
    return (returnObject)
```

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Home

