SPRINT-3

PYTHON CODE:

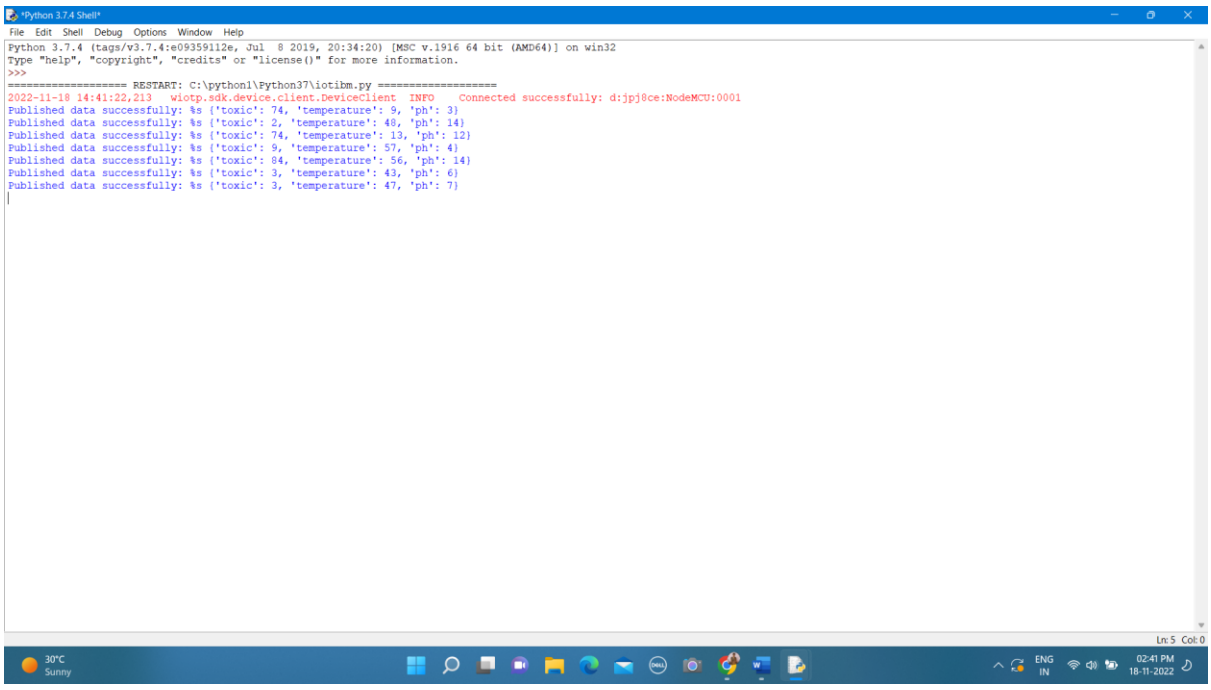
```
import wiotp.sdk.device
import time
import os
import datetime
import random

myConfig = {
   "identity":{
      "orgId":"jpj8ce",
      "typeId":"NodeMCU",
      "deviceId":"0001"
      },
   "auth":{
      "token":"12345678"
      }
   }
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

def myCommandCallback(cmd):
   print("Message received from IBM IoT platform: %s" % cmd.data['command'])
   m=cmd.data['command']
   if(m=="show"):
      print("Output is displayed")
   elif(m=="hide"):
      print("Output is not displayed")
   print(" ")
```

```
while True:
    toxic=random.randint(0,100)
    temperature=random.randint(0,60)
    ph=random.randint(1,14)
    myData={'toxic':toxic,'temperature':temperature,'ph':ph}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data successfully: %s", myData)
    time.sleep(2)
    client.commandCallback = myCommandCallback
    client.disconnect()
```

PYTHON OUTPUT:



COMPARISION B/W PYTHON AND NODE-RED: