ASSIGNMENT - 3

NAME : KUNNAM VARUN REDDY

KUNNAMVARUN.REDDY2019@VITSTUDENT.AC.IN

REG NO: 19BEC0279

PYTHON CODE:

```
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "xmf5vy",
    "typeId": "V1",
    "deviceId": "9399996166"
  },
  "auth": {
    "token": "9399996166"
  }
}
def myCommandCallback(cmd):
  print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
  m=cmd.data['command']
```

```
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    water_level=random.randint(0,100)
    intensity=random.randint(0,100)
    myData={'water_level':water_level, 'intensity':intensity}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

```
🕞 assigmnent3code.py - C:/Users/NITHIN/Downloads/assigmnent3code.py (3.9.6)
                                                                                                                                                                                                               File Edit Format Run Options Window Help
   def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']
 while True:
    water_level=random.randint(0,100)
    intensity=random.randint(0,100)
    myData=['water_level':water_level, 'intensity':intensity|
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
   client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
                                                                                                                                                                                                                 In: 25 Col: 60
  🕲 WhatsApp x | 🕾 Service Details x | «🐌 IBM Watson ic x 🚪 Node-RED Dis x | 🐧 Node-RED Dis x | 🐧 Face detection x | 🐧 Assessment6; x | ± Downloads x | ∞ Node-RED Dis x | +
    ← → C â node-red-todxw-2021-07-13.eu-gb.mybluemix.net/red/#flow/519d4d0e.008d94
                                                                                                                                                                                               ☆ ⇒ K :
    III Apps M Gmail ■ YouTube 🔣 Maps 👪 General (ECE2004 -... 🚊 Vellore Institute of... 😵 New Tab
                                                                                                                                                                                                            ■ Reading list
     Node-RED
                                                          Flow 2
                                                                                      Flow 3
                                                                                                                                                                                 i 🗐 🛣 💠 🛢 ▾
    Q filter nodes
                               Ø Flow 1
                                                                                                                                                                     + ⊨
                                                                                                                                                                                                        ▼ all nodes 🏻 🏥
    dropdown
     switch
                                                                                                                                                                                7/19/2021, 12:58:21 PM node: 8d1df266.41ed2
     slider
                                                                                                                                                                                msg.payload : Object
                                                                                                                                    msg.payload
     numeric o
                                                                                                                                                                                 ▶ { water_level: 3, intensity: 86 }
                                                                                                                                                                                7/19/2021, 12:58:21 PM node: 8d1df266.41ed2
     text input
                                                                                                                                       WATER_LEVEL ___
                                                                                                  WATER_LEVEL
                                                                                                                                                                                msg.payload : number
     date picker
     colour picker
                                                                                                                                                                                7/19/2021, 12:58:21 PM node: 8d1df266.41ed2
                                                                                                                                                                                msg.payload : number
                                                                                                  INTENSITY
                                                                                                                                      INTENSITY ()
                                                                                                                                                                                7/19/2021, 12:58:23 PM node: 8d1df266 41ed2
        gauge 🕜
                                                                                                                                                                                msg.payload : Object
                                                                                                                                                                                > { water_level: 20, intensity: 4 }
                                                                                                                                                                                7/19/2021, 12:58:23 PM node: 8d1df266.41ed2
                                                                                                                                                                                msg.payload : number
                                                                                                                                                                                7/19/2021, 12:58:23 PM node: 8d1df266.41ed2
                                                                                                                                                                                iot-2/type/V1/id/9399996166/evt/status/fmt/json
                                                                                                                                                                                msg.payload : number
  ■ 夕 ○ 掛 0 筒 ♥ ■ ★ ■ ★ ● ■ ♠ ■ ♠ ■ ♠
                                                                                                                                                                    📤 34°C Cloudy 🔨 🖟 🕼 🔚 🕩 (1) ENG 12:58 🛭
                                                                                                                                                           ?
```

