## PYTHON SCRIPT TO PUBLISH DATA TO IBM CLOUD

Date	09 November 2022
Team ID	PNT2022TMID42278
Project Name	Hazardous Area Monitoring for Industrial Plant
	powered by IOT
Maximum marks	8 Marks

```
PYTHON CODE:
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "n89sjt",
    "typeId": "Suren",
    "deviceId":"046"
  },
  "auth": {
    "token": "surenthiran06"
  }
}
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:
  temp=random.randint(-20,125)
  hum=random.randint(0,100)
```

```
myData={'temperature':temp, 'humidity':hum}

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()

## **PYTHON CODE:**

## **PYTHON OUTPUT:**

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## **IBM WATSON OUTPUT:**

