

Publish Data To The IBM Cloud

Team Id	PNT2022TMID20013
Maximum Marks	4 Marks

```
pythonProject3 main.py
main.py
1 import wiotp.sdk.device
2 import time
3 import random
4 myConfig = {
5     "identity": {
6         "orgId": "ay8bvrn",
7         "typeId": "NodeMCU",
8         "deviceId": "122333",
9         "auth": {
10             "token": "TgY!H0jV0SjmojwJ1k"
11         }
12     }
13 }
14 def myCommandCallback(cmd):
15     print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
16     m=cmd.data['command']
17     client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
18     client.connect()
19     while True:
20         temp=random.randint(-20,125)
21         hum=random.randint(0,100)
22         myData={'temperature':temp, 'humidity':hum}
23         client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0)
24         print("Published data Successfully: %s", myData)
25         client.commandCallback = myCommandCallback
26         time.sleep(2)
27     client.disconnect()
28 "identity"
```

```
Run: main
Published data Successfully: %s {'temperature': 68, 'humidity': 100}
Published data Successfully: %s {'temperature': 77, 'humidity': 62}
Published data Successfully: %s {'temperature': 31, 'humidity': 1}
Published data Successfully: %s {'temperature': 27, 'humidity': 73}
Published data Successfully: %s {'temperature': 105, 'humidity': 82}
Published data Successfully: %s {'temperature': 70, 'humidity': 43}
Published data Successfully: %s {'temperature': -19, 'humidity': 84}
Published data Successfully: %s {'temperature': 89, 'humidity': 79}
Published data Successfully: %s {'temperature': 122, 'humidity': 7}
Published data Successfully: %s {'temperature': 68, 'humidity': 98}
Published data Successfully: %s {'temperature': -11, 'humidity': 99}
Published data Successfully: %s {'temperature': 9, 'humidity': 97}
Published data Successfully: %s {'temperature': 62, 'humidity': 29}
Published data Successfully: %s {'temperature': 72, 'humidity': 36}
Published data Successfully: %s {'temperature': 98, 'humidity': 58}
Published data Successfully: %s {'temperature': 109, 'humidity': 6}
Published data Successfully: %s {'temperature': 79, 'humidity': 90}
Published data Successfully: %s {'temperature': 15, 'humidity': 59}
Published data Successfully: %s {'temperature': 102, 'humidity': 74}
Published data Successfully: %s {'temperature': 95, 'humidity': 77}
Published data Successfully: %s {'temperature': 36, 'humidity': 37}
Published data Successfully: %s {'temperature': 2, 'humidity': 62}
Published data Successfully: %s {'temperature': 3, 'humidity': 35}
Published data Successfully: %s {'temperature': 71, 'humidity': 94}
Published data Successfully: %s {'temperature': 125, 'humidity': 30}
Published data Successfully: %s {'temperature': -6, 'humidity': 6}
```

