

## Publish Data To The IBM Cloud

Team Id	PNT2022TMID39342
Maximum Marks	4 Marks

```

1 import wiota.sdk.device
2 import time
3 import random
4 myConfig = {
5     "identity": {
6         "orgId": "myOrg",
7         "appId": "NodeMCU",
8         "deviceId": "122555",
9         "auth": {
10             "token": "1g7H4QjV6Sjag2h7IA"
11         }
12     }
13 }
14 def myCommandCallback(cmd):
15     print("Message received from [IoT Platform: %s] % cmd.data[command]")
16     cmd.data[command]
17 client = wiota.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
18 client.connect()
19 while True:
20     temp=random.randint(-20,120)
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()

```

Published data Successfully: No {'temperature': 68, 'humidity': 100}  
Published data Successfully: No {'temperature': 77, 'humidity': 62}  
Published data Successfully: No {'temperature': 31, 'humidity': 1}  
Published data Successfully: No {'temperature': 27, 'humidity': 73}  
Published data Successfully: No {'temperature': 105, 'humidity': 82}  
Published data Successfully: No {'temperature': 70, 'humidity': 63}  
Published data Successfully: No {'temperature': -19, 'humidity': 84}  
Published data Successfully: No {'temperature': 89, 'humidity': 79}  
Published data Successfully: No {'temperature': 122, 'humidity': 7}  
Published data Successfully: No {'temperature': 68, 'humidity': 98}  
Published data Successfully: No {'temperature': -11, 'humidity': 99}  
Published data Successfully: No {'temperature': 9, 'humidity': 97}  
Published data Successfully: No {'temperature': 62, 'humidity': 29}  
Published data Successfully: No {'temperature': 72, 'humidity': 36}  
Published data Successfully: No {'temperature': 98, 'humidity': 58}  
Published data Successfully: No {'temperature': 109, 'humidity': 6}  
Published data Successfully: No {'temperature': 79, 'humidity': 90}  
Published data Successfully: No {'temperature': 15, 'humidity': 59}  
Published data Successfully: No {'temperature': 102, 'humidity': 74}  
Published data Successfully: No {'temperature': 95, 'humidity': 77}  
Published data Successfully: No {'temperature': 36, 'humidity': 37}  
Published data Successfully: No {'temperature': 2, 'humidity': 82}  
Published data Successfully: No {'temperature': 5, 'humidity': 35}  
Published data Successfully: No {'temperature': 71, 'humidity': 94}  
Published data Successfully: No {'temperature': 125, 'humidity': 30}  
Published data Successfully: No {'temperature': -6, 'humidity': 6}

