

a3.py - C:/Users/USER/Desktop/ib iot/a3.py (3.9.6)

File Edit Format Run Options Window Help

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "9giyqp",
        "typeId": "VITDevice",
        "deviceId": "12345"
    },
    "auth": {
        "token": "9876543210"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']
    if (m=="lighton"):
        print("...light is on")
    elif (m=="lightoff"):
        print("...light is off")

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

while True:
    tank_level=random.randint(-20,125)
    light_intensity=random.randint(0,100)
    myData={'Tank_Level':tank_level, 'Light_Intensity':light_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()
```

a3.py - C:/Users/USER/Desktop/ib iot/a3.py (3.9.6)

File Edit Format Run Options Window Help

```
import wiotp.sdk.device
```

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity":
```

```
        "orgId":
```

```
        "type":
```

```
        "devId":
```

```
    },
```

```
    "auth": {
```

```
        "token":
```

```
    }
```

```
}
```

```
def myCommand
```

```
    print("Me
```

```
    m=cmd.dat
```

```
    if (m=="l
```

```
        print
```

```
    elif(m=="
```

```
        prin
```

```
client = wiot
```

```
client.conne
```

```
while True:
```

```
    tank_lev
```

```
    light_int
```

```
    myData={'
```

```
    client.pu
```

```
    print("Pu
```

```
    client.co
```

```
    time.slee
```

```
client.discon
```

IDLE Shell 3.9.6

File Edit Shell Debug Options Window Help

Published data Successfully: %s {'Tank_Level': 125, 'Light_Intensity': 26}

Published data Successfully: %s {'Tank_Level': 38, 'Light_Intensity': 76}

Published data Successfully: %s {'Tank_Level': 22, 'Light_Intensity': 68}

Published data Successfully: %s {'Tank_Level': -6, 'Light_Intensity': 30}

Published data Successfully: %s {'Tank_Level': 18, 'Light_Intensity': 2}

Published data Successfully: %s {'Tank_Level': 77, 'Light_Intensity': 46}

Published data Successfully: %s {'Tank_Level': 120, 'Light_Intensity': 9}

Published data Successfully: %s {'Tank_Level': 43, 'Light_Intensity': 98}

Published data Successfully: %s {'Tank_Level': 52, 'Light_Intensity': 53}

Published data Successfully: %s {'Tank_Level': 30, 'Light_Intensity': 40}

Published data Successfully: %s {'Tank_Level': 122, 'Light_Intensity': 82}

Published data Successfully: %s {'Tank_Level': 42, 'Light_Intensity': 64}

Published data Successfully: %s {'Tank_Level': 52, 'Light_Intensity': 2}

Published data Successfully: %s {'Tank_Level': 15, 'Light_Intensity': 93}

Published data Successfully: %s {'Tank_Level': 88, 'Light_Intensity': 65}

Published data Successfully: %s {'Tank_Level': 114, 'Light_Intensity': 90}

Published data Successfully: %s {'Tank_Level': 51, 'Light_Intensity': 85}

Published data Successfully: %s {'Tank_Level': 29, 'Light_Intensity': 13}

Published data Successfully: %s {'Tank_Level': -17, 'Light_Intensity': 70}

Published data Successfully: %s {'Tank_Level': 62, 'Light_Intensity': 51}

Published data Successfully: %s {'Tank_Level': 122, 'Light_Intensity': 0}

Published data Successfully: %s {'Tank_Level': 19, 'Light_Intensity': 29}

Published data Successfully: %s {'Tank_Level': 85, 'Light_Intensity': 85}

Published data Successfully: %s {'Tank_Level': 29, 'Light_Intensity': 57}

Published data Successfully: %s {'Tank_Level': 17, 'Light_Intensity': 52}

Published data Successfully: %s {'Tank_Level': -16, 'Light_Intensity': 63}

Published data Successfully: %s {'Tank_Level': 37, 'Light_Intensity': 96}

Published data Successfully: %s {'Tank_Level': -2, 'Light_Intensity': 16}

Published data Successfully: %s {'Tank_Level': 37, 'Light_Intensity': 45}

Published data Successfully: %s {'Tank_Level': -5, 'Light_Intensity': 25}

Published data Successfully: %s {'Tank_Level': -2, 'Light_Intensity': 93}

Published data Successfully: %s {'Tank_Level': 72, 'Light_Intensity': 30}

Published data Successfully: %s {'Tank_Level': 108, 'Light_Intensity': 66}

Published data Successfully: %s {'Tank_Level': 35, 'Light_Intensity': 42}

Published data Successfully: %s {'Tank_Level': 27, 'Light_Intensity': 22}

Published data Successfully: %s {'Tank_Level': 119, 'Light_Intensity': 65}

Published data Successfully: %s {'Tank_Level': 90, 'Light_Intensity': 69}

Published data Successfully: %s {'Tank_Level': 33, 'Light_Intensity': 85}

Published data Successfully: %s {'Tank_Level': 96, 'Light_Intensity': 5}

Ln: 154 Col: 0

