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## Python Script:

```
import wiotp.sdk.device
from time import*
from random import*

myConfig = {
    "identity": {
        "orgId": "dg4pct",
        "typeId": "ESP32",
        "deviceId": "2812201"
    },
    "auth": {
        "token": "28122001"
    }
}
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:
    tur = randint(20, 300)
    ph = randint(1, 14)
```

```
temp = randint(0, 100)
       myData = {'Temperature': temp, 'Turbidity': tur,
'pHvalue': ph}
       client.publishEvent(eventId="status",
msgFormat="json", data=myData, qos=0, onPublish=None)
       print("Published data Successfully: %s", myData)
       client.commandCallback = myCommandCallback
       sleep(6)
client.disconnect
                                                                                                              A2 A5 ×1 ^
     from random import*
     def myCommandCallback(cmd):
   C:\Users\Admin\PycharmProjects\pythonProject\venv\Scripts\python.exe "C:/Users/Admin/PycharmProjects/pythonProject/IBM python.py"
  Published data Successfully: %s {'Temperature': 49, 'Turbidity': 186, 'pHvalue': 9}
  Published data Successfully: %s {'Temperature': 81, 'Turbidity': 69, 'pHvalue': 10}
   Published data Successfully: %s {'Temperature': 96, 'Turbidity': 26, 'pHvalue': 10}
Published data Successfully: %s {'Temperature': 75, 'Turbidity': 20, 'pHvalue': 2}
     Published data Successfully: %s {'Temperature': 63, 'Turbidity': 243, 'pHvalue': 12}
Published data Successfully: %s {'Temperature': 38, 'Turbidity': 74, 'pHvalue': 12}
```