Develop a python code for publishing random sensor data to the IBM IoT Platform.

```python
import wiotp.sdk.device
import time
import os
import datetime
import random
myConfig = {
    "identity": {
        "orgId": "hjSfmy",
        "typeId":"NodeMCU
        ","deviceId":"12345"
    },
    "auth": {
        "token": "12345678"
    }
}
client = wiotp.sdk.device.DeviceClient (config=myConfig, logHandlers=None)
client.connect ()

def myCommandCallback (cmd) :
    print ("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']
    if (m=="motoron"):
        print ("Motor is switched on")
    elif (m=="motoroff"):
        print ("Motor is switched OFF")
    print (" ")
while True:
    sen=random.randint (0,100)
    temp=random.randint (-20, 125)
    hum=random.randint (0, 100)
    myData={'sensor value ': sen,'temperature':temp, 'humidity':hum}
    client.publishEvent (eventId="status", msgFormat="json", data=myData, qos=0 , onPublish=None)
    print ("Published data Successfully: %s", myData)
    time.sleep (2)
    client.commandCallback = myCommandCallback
client.disconnect ()
```

```
main.py
1   import wiotp.sdk.device import time
2   import os import datetime import random myConfig = {
3   "identity": {
4   "orgId": "hjSfmy", "typeId":"NodeMCU", "deviceId":"12345"
5   },
6   "auth": {
7   "token": "12345678"
8   }
9   }
10  client = wiotp.sdk.device.DeviceClient (config=myConfig, logHandlers=None) client.connect ()
11
12  def myCommandCallback (cmd) :
13  print ("Message received from IBM IoT Platform: %s" % cmd.data['command']) m=cmd.data['command']
14  if (m=="motoron"):
15  print ("Motor is switched on") elif (m=="motoroff"):
16  print ("Motor is switched OFF") print (" ")
17  while True: sen=random.randint (0,100)
18  temp=random.randint (-20, 125)
19  hum=random.randint (0, 100)
20  myData={'sensor value ': sen,'temperature':temp, 'humidity':hum}
21  client.publishEvent (eventId="status", msgFormat="json", data=myData, qos=0 , onPublish=None)
22  print ("Published data Successfully: %s", myData)
23  time.sleep (2)
24  client.commandCallback = myCommandCallback client.disconnect ()
```

Thus the assigned task for developing a python code for publishing random sensor data to the IBM IoT Platform is completed Successfully .