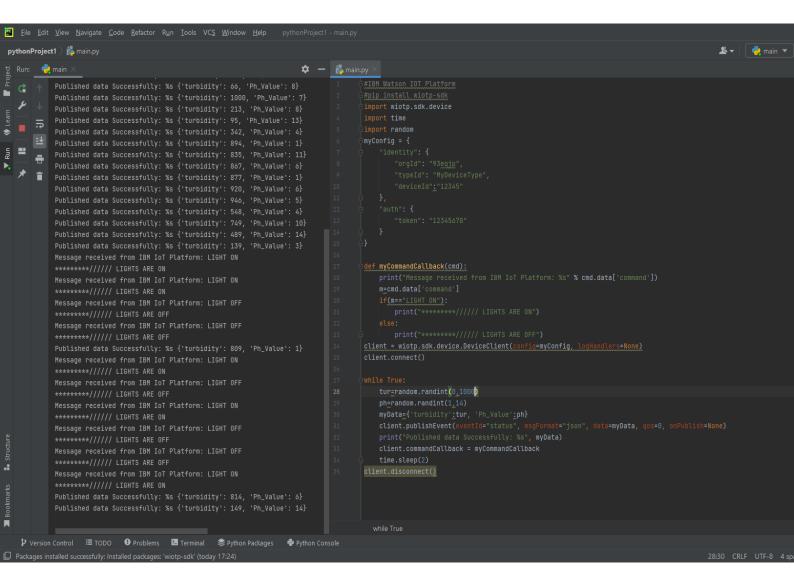
## **SPRINT 2:**

| Date          | 17 <sup>th</sup> November 2022  |
|---------------|---------------------------------|
| Team ID       | PNT2022TMID15034                |
| Project Name  | IOT Based Real-Time River Water |
|               | Quality Monitoring and Control  |
|               | System                          |
| Maximum Marks | 4 Mark                          |

## **Python Code:**

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "93eqjp",
        "typeId": "MyDeviceType",
        "deviceId":"12345"
    },
    "auth": {
        "token": "12345678"
    }
}
```

```
def myCommandCallback(cmd):
  print("Message received from IBM IoT Platform: %s" %
cmd.data['command'])
  m=cmd.data['command']
  if(m=="LIGHT ON"):
    print("********///// LIGHTS ARE ON")
  else:
    print("********///// LIGHTS ARE OFF")
client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
client.connect()
while True:
  tur=random.randint(0,1000)
  ph=random.randint(1,14)
  myData={'turbidity':tur, 'Ph_Value':ph}
  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()
```



## **PUBLISH DATA TO IBM CLOUD:**

