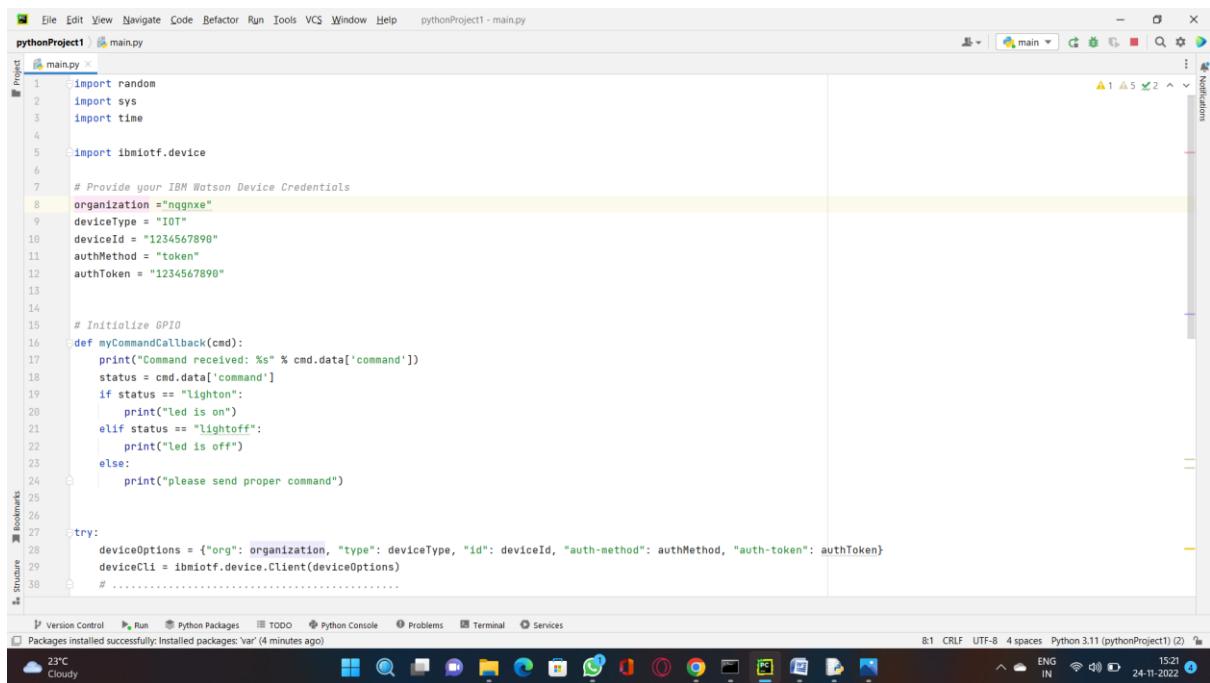


# Develop The Python Code

Date	24 NOV 2022
Team ID	PNT2022TMID47518
Project Name	Project - Gas Leakage monitoring & Alerting system for Industries



The screenshot shows a code editor window titled "pythonProject1" with a single file named "main.py". The code is written in Python and interacts with an IBM Watson Device. It imports random, sys, time, and ibmiotf.device. It defines constants for organization ("nognxe"), deviceType ("IOT"), deviceId ("1234567890"), authMethod ("token"), and authToken ("1234567890"). It initializes GPIO and defines a command callback function. The try block creates a device client with the defined options.

```
pythonProject1 / main.py
main.py

1 import random
2 import sys
3 import time
4
5 import ibmiotf.device
6
7 # Provide your IBM Watson Device Credentials
8 organization = "nognxe"
9 deviceType = "IOT"
10 deviceId = "1234567890"
11 authMethod = "token"
12 authToken = "1234567890"
13
14
15 # Initialize GPIO
16 def myCommandCallback(cmd):
17     print("Command received: %s" % cmd.data['command'])
18     status = cmd.data['command']
19     if status == "lighton":
20         print("led is on")
21     elif status == "lightoff":
22         print("led is off")
23     else:
24         print("please send proper command")
25
26
27 try:
28     deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-token": authToken}
29     deviceCli = ibmiotf.device.Client(deviceOptions)
30     # ...
```