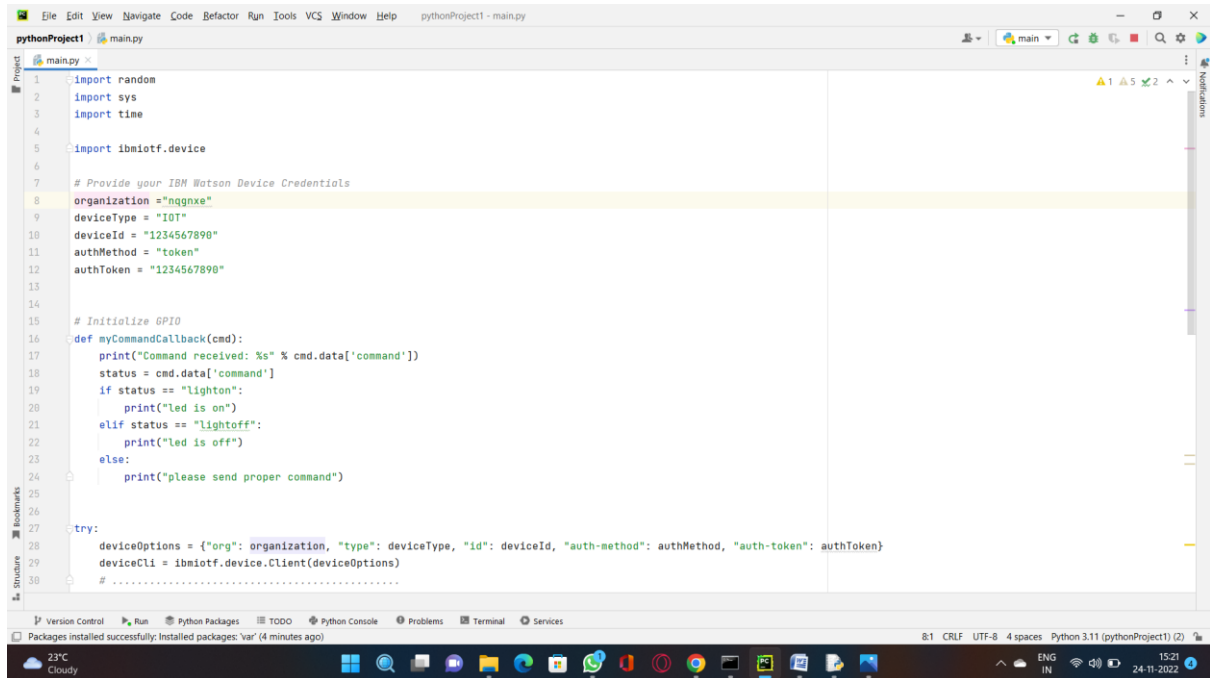


Develop The Python Code

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



The screenshot shows a Python IDE with a file named `main.py` open. The code is for a gas leakage monitoring system using the `ibmiotf` library. It includes imports for `random`, `sys`, `time`, and `ibmiotf.device`. A comment indicates that the user should provide their IBM Watson Device Credentials. The code defines a `myCommandCallback` function that prints the received command and its status. It also initializes a `GPIO` and creates a `deviceCli` object using the provided credentials.

```
1 import random
2 import sys
3 import time
4
5 import ibmiotf.device
6
7 # Provide your IBM Watson Device Credentials
8 organization = "nagnxe"
9 deviceType = "IOT"
10 deviceId = "1234567890"
11 authMethod = "token"
12 authToken = "1234567890"
13
14 # Initialize GPIO
15 def myCommandCallback(cmd):
16     print("Command received: %s" % cmd.data['command'])
17     status = cmd.data['command']
18     if status == "lighton":
19         print("led is on")
20     elif status == "lightoff":
21         print("led is off")
22     else:
23         print("please send proper command")
24
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     # .....
```