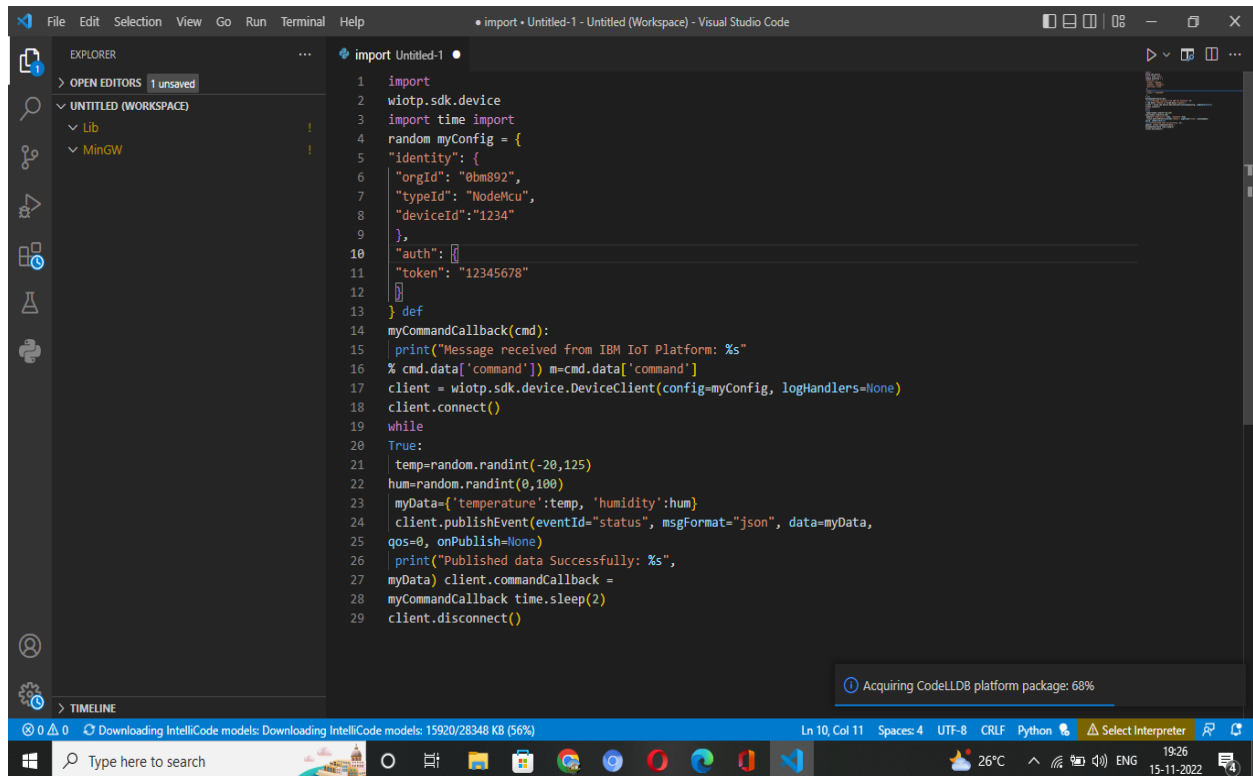


Develop the Python Script

Team ID	PNT2022TMID50107
Project Name	Industry-specific intelligent fire management system

Develop a python code for publishing random sensor data (Fire, Temperature if required humidity) to the IBM IoT Platform.



The screenshot shows the Visual Studio Code interface with a Python script titled 'import Untitled-1'. The script is designed to publish random sensor data (temperature and humidity) to the IBM IoT Platform using the WiotP SDK. The code includes imports for the SDK, time, and random modules. It defines a configuration dictionary for the device identity and authentication. A callback function, 'myCommandCallback', is defined to handle incoming commands and publish data. The main logic involves connecting to the IoT Platform, entering a loop to generate random temperature and humidity values, and publishing them as JSON data. The script also includes a sleep function to control the frequency of data publishing.

```
1 import
2 wiotp.sdk.device
3 import time import
4 random myConfig = {
5     "identity": {
6         "orgId": "0bm892",
7         "typeId": "NodeMcu",
8         "deviceId": "1234"
9     },
10    "auth": {
11        "token": "12345678"
12    }
13 } def
14 myCommandCallback(cmd):
15     print("Message received from IBM IoT Platform: %s"
16     % cmd.data['command']) m=cmd.data['command']
17 client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
18 client.connect()
19 while
20 True:
21     temp=random.randint(-20,125)
22     hum=random.randint(0,100)
23     myData={'temperature':temp, 'humidity':hum}
24     client.publishEvent(eventId="status", msgFormat="json", data=myData,
25     qos=0, onPublish=None)
26     print("Published data Successfully: %s",
27     myData) client.commandCallback =
28     myCommandCallback time.sleep(2)
29 client.disconnect()
```

At the bottom of the editor, a status bar shows 'Ln 10, Col 11' and 'Spaces: 4'. A progress bar at the bottom indicates 'Acquiring CodeLLDB platform package: 68%'. The Windows taskbar at the very bottom shows the system clock as 19:26 on 15-11-2022.