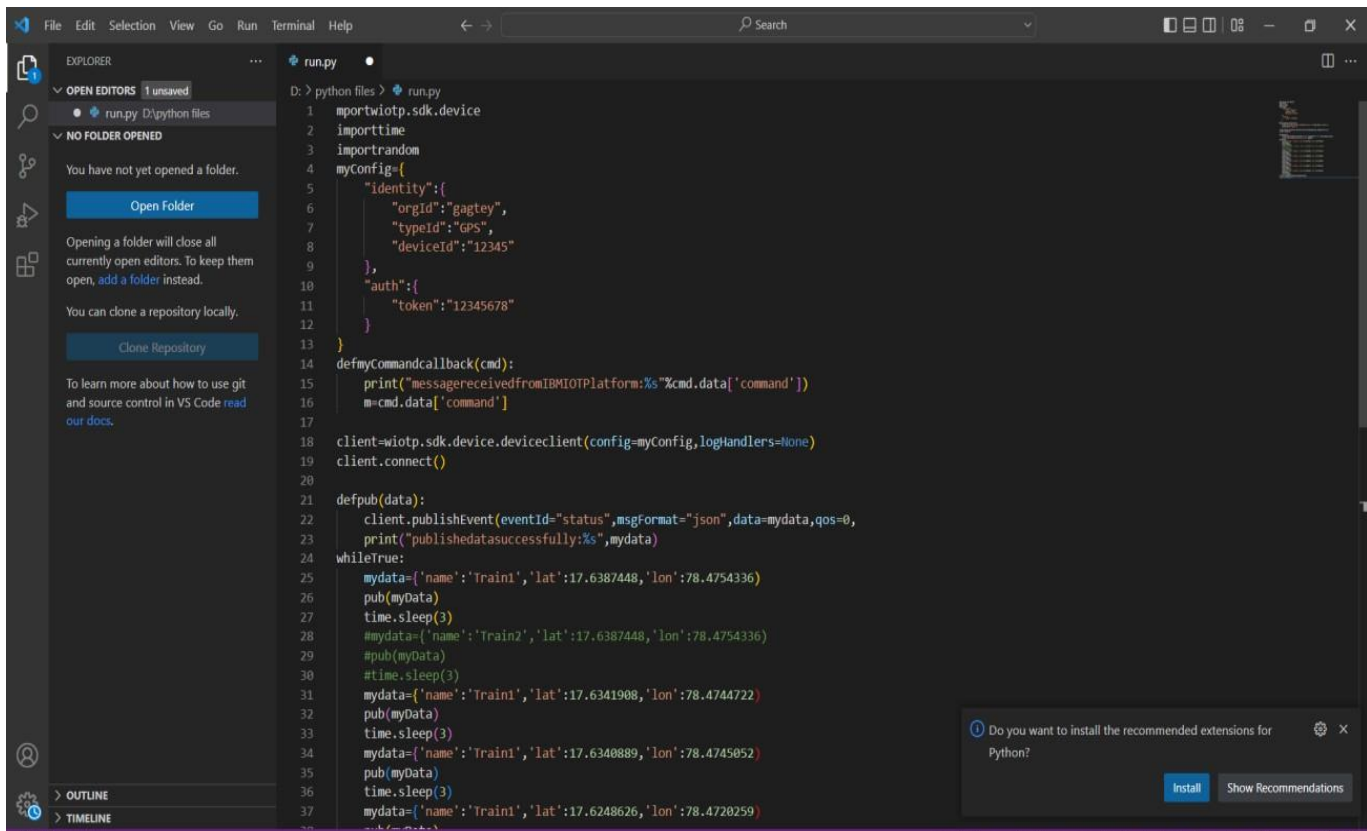


SOFTWARE

TEAM ID: PNT2022TMID33715

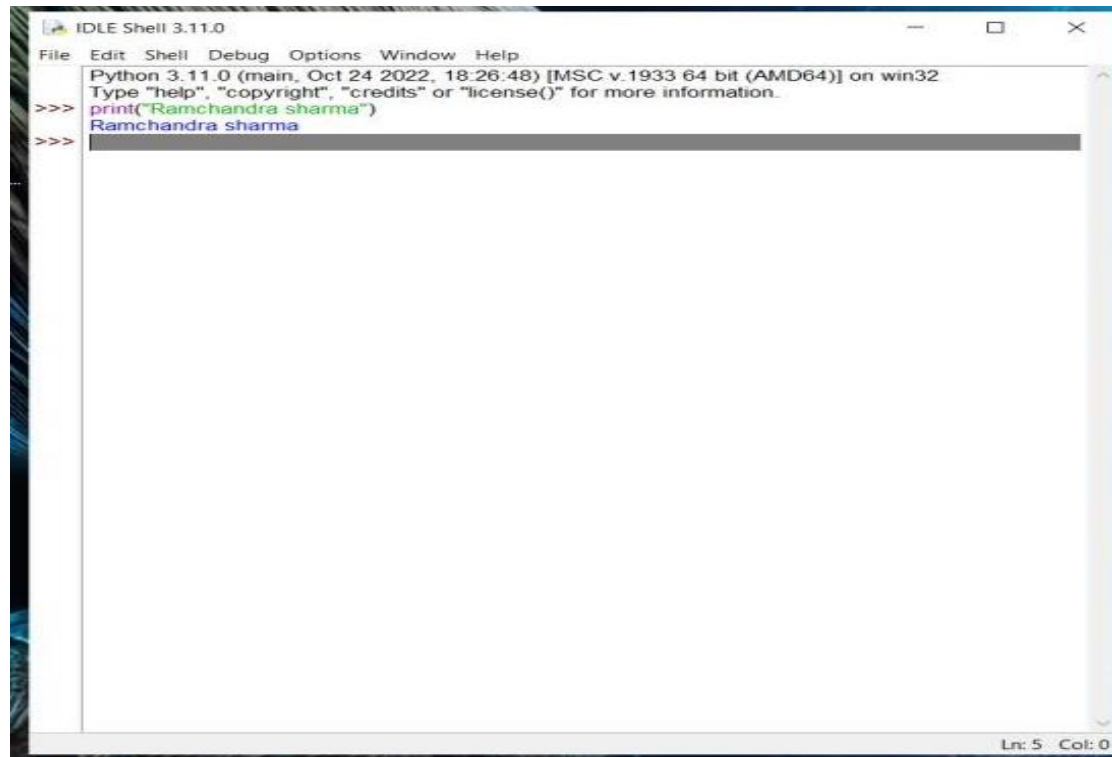
PROJECT NAME: SMART SOLUTIONS FOR RAILWAYS



The screenshot displays the Visual Studio Code interface with a Python file named `run.py` open. The Explorer sidebar on the left shows the file structure, and the Run and Debug sidebar on the right is visible. The main editor area contains the following Python code:

```
1 import wiotp.sdk.device
2 import time
3 import random
4 myConfig={
5     "identity":{
6         "orgId":"gagtey",
7         "typeId":"GPS",
8         "deviceId":"12345"
9     },
10    "auth":{
11        "token":"12345678"
12    }
13 }
14 def myCommandcallback(cmd):
15     print("messagereceivedfromIBMIOTPlatform:%s"%cmd.data['command'])
16     m=cmd.data['command']
17
18 client=wiotp.sdk.device.deviceclient(config=myConfig,logHandlers=None)
19 client.connect()
20
21 def pub(data):
22     client.publishEvent(eventId="status",msgformat="json",data=mydata,qos=0,
23     print("publishedatasuccessfully:%s",mydata)
24 while True:
25     mydata={'name':'Train1','lat':17.6387448,'lon':78.4754336}
26     pub(myData)
27     time.sleep(3)
28     #mydata={'name':'Train2','lat':17.6387448,'lon':78.4754336}
29     #pub(myData)
30     #time.sleep(3)
31     mydata={'name':'Train1','lat':17.6341908,'lon':78.4744722}
32     pub(myData)
33     time.sleep(3)
34     mydata={'name':'Train1','lat':17.6340889,'lon':78.4745052}
35     pub(myData)
36     time.sleep(3)
37     mydata={'name':'Train1','lat':17.6248626,'lon':78.4720259}
```

A notification dialog box in the bottom right corner asks: "Do you want to install the recommended extensions for Python?" with buttons for "Install" and "Show Recommendations".



The image shows a screenshot of the IDLE Shell 3.11.0 window. The window has a title bar with the text "IDLE Shell 3.11.0" and standard window controls (minimize, maximize, close). Below the title bar is a menu bar with the following items: File, Edit, Shell, Debug, Options, Window, and Help. The main area of the window is a text editor with a white background. It contains the following text:

```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> print("Ramchandra sharma")
Ramchandra sharma
>>>
```

The output "Ramchandra sharma" is displayed on a separate line below the prompt. The status bar at the bottom right of the window shows "Ln: 5 Col: 0".

