FINAL DELIVERABLES

PYTHON CODE

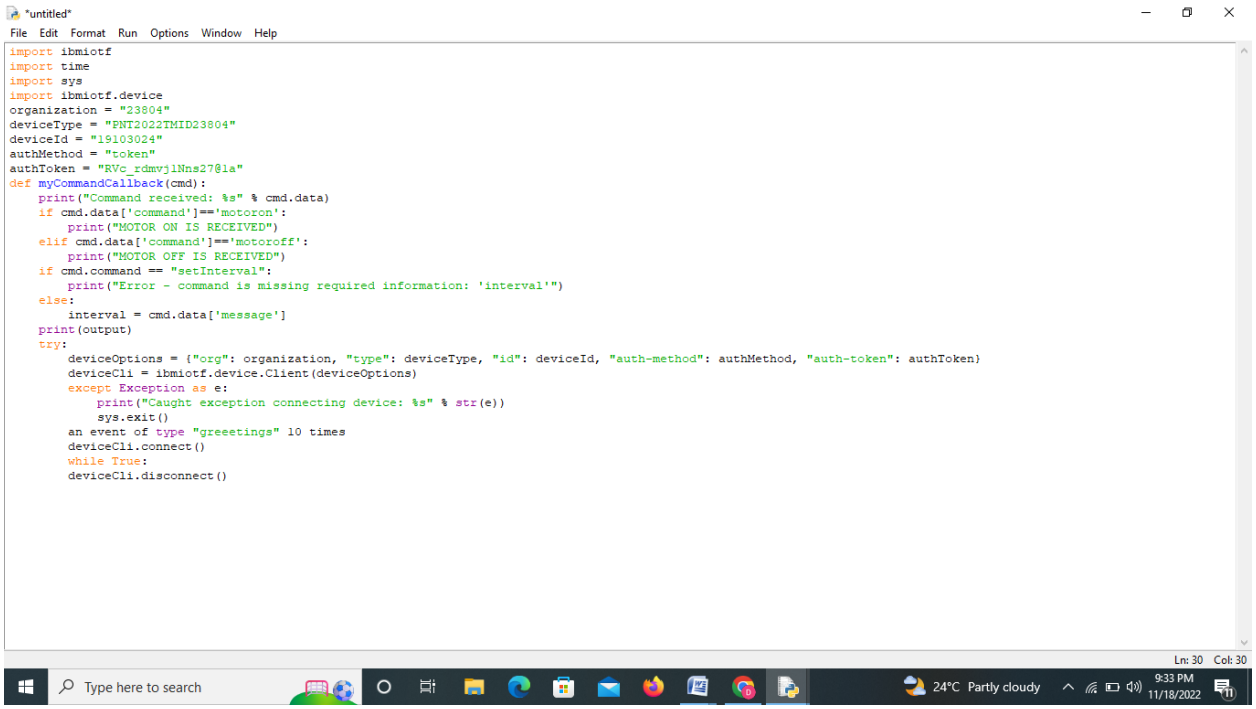
TEAM ID	PNT2022TMID23804
TEAM MEMBERS	DEVA DHARSHINI E, BOOMIKA M, DEEPHA M, JYOTHHINAGARAM SHALINI
TITLE	IOT BASED CROP PROTECTION SYSTEM FOR AGRICULTURE

PYTHON CODE:

```
import ibmiotf

import time

import sys

import ibmiotf.device

organization = "23804"

deviceType = "PNT2022TMID23804"

deviceId = "19103024"

authMethod = "token"

authToken = "RVc_rdmvj1Nns27@1a"

def myCommandCallback(cmd):

    print("Command received: %s" % cmd.data)

    if cmd.data['command']=='motoron':

        print("MOTOR ON IS RECEIVED")

    elif cmd.data['command']=='motoroff':
```

```
        print("MOTOR OFF IS RECEIVED")
    if cmd.command == "setInterval":
        print("Error - command is missing required information: 'interval'")
    else:
        interval = cmd.data['message']
    print(output)
    try:
        deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method":
authMethod, "auth-token": authToken}
        deviceCli = ibmiotf.device.Client(deviceOptions)
        except Exception as e:
            print("Caught exception connecting device: %s" % str(e))
            sys.exit()
        an event of type "greeetings" 10 times
        deviceCli.connect()
        while True:
        deviceCli.disconnect()
```

SCREENSHOT:


untitled
File Edit Format Run Options Window Help
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import time
import sys
import ibmiotf.device
organization = "23804"
deviceType = "PNT2022TMID23804"
deviceId = "19103024"
authMethod = "token"
authToken = "RVc_rdmvjlNns27@la"
def myCommandCallback(cmd):
print("Command received: %s" % cmd.data)
if cmd.data['command']=='motoron':
print("MOTOR ON IS RECEIVED")
elif cmd.data['command']=='motoroff':
print("MOTOR OFF IS RECEIVED")
if cmd.command == "setInterval":
print("Error - command is missing required information: 'interval'")
else:
interval = cmd.data['message']
print(output)
try:
deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-token": authToken}
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an event of type "greeetings" 10 times
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Ln: 30 Col: 30
Type here to search
24°C Partly cloudy
9:33 PM
11/18/2022