Team ID	PNT2022TMID42568
Project Name	Smart Farmer - IoT Enabled Smart Farming Application

The Python Code

```python
import time
import sys
import ibmiotf.application
import ibmiotf.device


organization = "Org ID" #replace the ORG ID
deviceType = "Device Type"#replace the Device type wi
deviceId = "Device ID"#replace Device ID
authMethod = "token"
authToken = "authtoken" #Replace the authtoken

def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data)
    if cmd.data['command']=='lighton':
        print("MOTOR ON IS RECEIVED")

    elif cmd.data['command']=='lightoff':
        print("MOTOR OFF IS RECEIVED")

    if cmd.command == "setInterval":

        if 'interval' not in cmd.data:
            print("Error - command is missing required information: 'interval'")
        else:
            interval = cmd.data['interval']
    elif cmd.command == "print":
        if 'message' not in cmd.data:
            print("Error - command is missing required information: 'message'")
        else:
            output=cmd.data['message']
            print(output)
```

```python
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()

deviceCli.connect()

while True:

    deviceCli.commandCallback = myCommandCallback

# Disconnect the device and application from the cloud
deviceCli.disconnect()
```