SPRINT 1

Date	16/11/2022
Team ID	PNT2022TMID22828
Project Name	Project – Smart Farmer-IoT Enabled smart Farming Application

Python code:

```python
import wiotp.sdk.device
import time
import os
import datetime
import random
myConfig={
   "identity":{
   "orgId":"tdo49a",
   "typeId":"NodeMCU",
   "deviceId":"12345"
   },
  "auth":{
   "token":"12345678"
  }
}
client=wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
def myCommandCallback(cmd):
  print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
  m=cmd.data['command']
  if(m=="motoron"):
     print("Motor is switched on")
```

```python
    elif(m=="motoroff"):
        print("Motor is switched OFF")
    print(" ")
while True:
    soil=random.randint(0,100)
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
    myData={'soil_moisture':soil, 'temperature':temp,
'humidity':hum}
    client.publishEvent(eventId="status",
msgFormat="json", data=myData,
qos=0,onPublish=None)
    print("Published data Successfully:  %s",myData)
    time.sleep(2)
    client.commandCallback=myCommandCallback
client.disconnect()
```