TEAM ID	PNT2022TMID49973
PROJECT	Smartfarmer – IoT Enabled Smart
	Farmering Application
TEAM MEMBERS	Jenitaaa Sharon(TL), Jeya, Jency,
	Josephine Florence

IBM IoT platform credentials are given here in the Python code to connect IBM IoT to code

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B Develope python code.py - C:/Users/SHARON/AppData/Local/Programs/Python/Python37/Develope python code.py (3.7.0)
File Edit Format Run Options Window Help
import wiotp.sdk.device
import time
import os
import datetime
import random
myConfig = {
    "identity": {
        "orgId": "av8jey",
        "typeId": "PNT2022TMID49973",
         "deviceId": "Holy Cross College"
     "auth": {
         "token": "abcdefghij"
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")
    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()
                                            ↑ Type here to search
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    File Edit Shell Debug Options Window Help
    Python 3.7.0 (v3.7.0:lbf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD6 ^
    4)] on win32
   Type "copyright", "credits" or "license()" for more information.
   >>>
    RESTART: C:/Users/SHARON/AppData/Local/Programs/Python/Python37/Develope python
   2022-11-11 15:38:15,569 wiotp.sdk.device.client.DeviceClient INFO
   d successfully: d:av8jey:PNT2022TMID49973:Holy_Cross_CollegePublished data Succe
    {'soil moisture': 44, 'temperature': 117, 'humidity': 85}
   Published data Successfully: %s {'soil moisture': 17, 'temperature': 80, 'humidi
    Published data Successfully: %s {'soil moisture': 86, 'temperature': 45, 'humidi
   Published data Successfully: %s {'soil moisture': 87, 'temperature': 51, 'humidi
   ty': 100}
    Published data Successfully: %s {'soil moisture': 82, 'temperature': 98, 'humidi
    Published data Successfully: %s {'soil moisture': 62, 'temperature': 50, 'humidi
    tv': 99}
mcl.
```

The above data will be stored in the database of IBM cloudant dashboard



