

TEAM ID	PNT2022TMID03994
PROJECT TITLE	IoT Based Smart Crop Protection System For Agriculture

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import sys
import ibmiotf.device

organization = "1k2xrj"
deviceType = "Data"
deviceId = "1234"
authMethod = "token"
authToken = "123456789"

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

    for key in cmd.data.keys():
        if key == 'motor':
            if cmd.data['motor'] == 'ON':
                print("MOTOR is turned ON")

            elif cmd.data['motor'] == 'OFF':
                print("MOTOR is turned OFF")

    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 = commandHandler

```

