```
import sys
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "4aqwut"
deviceType = "12345678dt"
deviceId = "12345678did"
authMethod = "token"
authToken = "*PrtsGAO?B@_tTPEKT"
# Initialize GPIO
def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
   status=cmd.data['command']
   if status=="sprinkleron":
       print ("Sprinkler is on")
   elif status == "sprinkleroff":
       print ("Sprinkler is off")
   elif status == "exhaustfanon":
       print ("Exhaust Fan ON")
   elif status == "exhaustfanoff":
       print ("Exhaust Fan OFF")
   #print(cmd)
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()
# Connect and send a datapoint "hello" with value "world" into the cloud as an
event of type "greeting" 10 times
deviceCli.connect()
while True:
       #Get Sensor Data from DHT11
```

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temp=random.randint(0,100)
        flame_level=random.randint(0,100)
        gas_level = random.randint(0,100)
        data = { 'Temperature' : temp, 'Flame_Level' : flame_level, 'Gas_Level'
: gas_level }
       #print data
        def myOnPublishCallback():
            print ("Published Temperature = %s C" % temp, "Flame_Level = %s %%"
% flame_level, "Gas_Level = %s %%" %gas_level ,"to IBM Watson")
        success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0,
on_publish=myOnPublishCallback)
        if not success:
            print("Not connected to IoTF")
        time.sleep(1)
        deviceCli.commandCallback = myCommandCallback
# Disconnect the device and application from the cloud
deviceCli.disconnect()
```