```
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "6cpv77"
deviceType = "weather"
deviceId = "wea_today"
authMethod = "token"
authToken = "Fo9af9o00doS8VUsb2"
# Initialize GPIO
def myCommandCallback(cmd):
print("Command received: %s" % cmd.data['command'])
  status=cmd.data['command']
  if status=="Alarm On":
print("Alarm is off")
  else:
print("Alarm is On")
  #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
    temp=random.randint(0,200)
    humidity=random.randint(0,200)
    if temp>=100:
      print("Alert")
    else:
      print("safe")
    data = {"d":{ 'temp' : temp, 'humidity': humidity}}
    #print data
    def myOnPublishCallback():
      print ("Published Temperature = %s C" % temp, "Humidity = %s %%" % humidity, "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()