Python Code :

```
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random

#Provide your IBM Watson Device Credentials
Organization = "fa4qjp"
DeviceType = "123"
deviceID = "1234567"
authMethod = "token"
authToken = "12345678"

# Initialize GPTO
def mycommandcallback(cmd):
  print("command received: %s" % cmd.data['command'])
  status=cmd.data['command']
  if status =="lighton":
    print ("led is on")
  elif status =="lightoff":
    print("led is off")
  else:
    print("please send proper command")
try:
 deviceOptions = {"org": Organization, "type": DeviceType, "id": deviceID, "auth-
method":authMethod, "auth-token": authToken }
 deviceCli= ibmiotf.device.Client(deviceOptions)
 #.....


except Exception as e:
```

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    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 oftype
"greeting" 10 times
deviceCli.connect()



while True:
  #Get Sensor Data from DHT11
  temp=random.randint(90,110)
  Humid=random.randint(60,100)

  data={ 'temp' : temp, 'Humid' : Humid }



  #print data
  def myOnPublishCallback() :
    print ("Published Temperature = %s C" % temp, "Humidity = %s %%" % Humid, "to IBM Watson" )

  success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0,
on_publish=myOnPublishCallback)
  if not success:
     print ("Not connected to IoTF")
  time.sleep(10)

  deviceCli.commandCallback = mycommandcallback

#disconnect the device and application from the cloud
deviceCli.disconnect()
```