# Sprint – 1

**PNT2022TMID32725 Python Code:**

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# Team ID: PNT2022TMID31893

import time import sys import random

import ibmiot.application import ibmiot.device organization = "o86xnz" deviceType = "Sensor" deviceId = "123456" authMethod = "auth" authToken = "Ferdina22"

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:

temp=random.randint(0,100) Humid=random.randint(0,100) Gas=random.randint(0,100)

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

def myOnPublishCallback():

print ("Published Temperature = %s C" % temp, "Humidity

= %s %%" %Humid, "Gas Concentration = %s" %Gas )

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

deviceCli.disconnect()

# Output:



