Sprint – 1

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Python Code:

```
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()
```