Sprint – 1

Team ID: PNT2022TMID48690
Python Code:
Sprint - 1
Team ID: PNT2022TMID48690
import time
import sys
import random
import ibmiot.application import ibmiot.device
organization = "o86xnz"
deviceType = "Sensor"
deviceId = "123456"
authMethod = "auth"
authToken = "Ferdina22"

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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:
```



