Publish Data to the IBM Cloud

Team ID	PNT2022TMID51674
Project Name	Smart Waste Management System For
	Metropolitan Cities

PYTHON SCRIPT

```
- g x
import time
import sys
import ibmiotf.application
 import ibmiotf.device
*Provide your IBM Watson Device Credentials organization = "dlumhi" deviceType = "EWMS" deviceId = "#6032" authNethod = "token" authYoken = "31151910#032"
# Initialize GDIO
(bif myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
     if status=="lighton":
print ("led is on")
          print ("led is off")
    *print(cmd)
try:
           deviceontions = ("num": aroadization "rumm": device"uma "is": deviceid "authemathod": authemathod "authemathod": ueviceoptions - [ org : Organization, type : Gericetype, in : Gericeto, estimated : authemathod, authemathod;
           deviceCli = ibmiotf.device.Client(deviceOptions)
except Exception as e:
          print("Caught exception connecting device: %s" % str(e))
          sys.exit()
 # Connect and send a datapoint "helio" with value "world" into the cloud as an event of type "greeting" 10 times
deviceCli.connect()
while frue:
           #Get Sensor Data from DHT11
           temp=random, randint (0, 100)
           Humid-random.randint(0,100)
          data = [ 'temp' : temp, 'Humid': Humid ]
*print data
del myOnPublishCallback():
               print ("Published Temperature - %s C" % temp, "Humidity - %s %%" % Humid, "to IBM Watson")
           success = deviceCli.publishEvent("loTsensor", "json", data, qos=0, on_publish-myOnPublishCallback)
          if not success;
print("Not consected to ToTF")
time.sleep(1)
          deviceCli.commandCallback - myCommandCallback
# Disconnect the device and application from the cloud deviceCli.disconnect()
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OUTPUT:

```
## Steel Mest Design Options Window Mess

Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

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DATA IN IBM CLOUD PLATFORM:

