SPRINT-2

TEAM ID:PNT2022TMID49848

Python Code

```
import time import sys
import
ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device
Credentialsorganization = "2melo1"
deviceType = "waste" deviceId = "1234"
authMethod = "token" authToken =
"12345678"
# Initialize GPIO
def myCommandCallback(cmd): print("Command
received: %s" % cmd.data['command'])
status=cmd.data['command'] if status=="waste
level":
    print ("waste level
  monitored")else:
```

```
print ("weight level monitored")
  #print(cmd)
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()
# Connect and send a datapoint "hello" with value "world" into the cloud as an event of
type"greeting" 10 times deviceCli.connect()
while True:
    #Get Sensor Data from DHT11
    level=random.randint(0,10
0)
weight=random.randint(0,100)
```

OUTPUT:

```
Fighton 3.7.0 Shell

File Edit Shell Debug Options Window Help

Fython 3.7.0 (v3.7.0:lbfscc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32

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

>>>

RESTART: C:/Users/welcome/AppData/Local/Programs/Fython/Python37/smart waste.py

2022-11-06 23:23:06,437 imbnotf.device.Client INFO Connected successfully: d:2melol:waste:1234

Published Level = 24 % Weight = 28 % to IBM Watson

Published Level = 24 % Weight = 51 % to IBM Watson

Published Level = 70 % Weight = 53 % to IBM Watson

Published Level = 80 Weight = 73 % to IBM Watson

Published Level = 49 % Weight = 38 % to IBM Watson

Published Level = 20 % Weight = 73 % to IBM Watson

Published Level = 20 % Weight = 73 % to IBM Watson

Published Level = 20 % Weight = 45 % to IBM Watson

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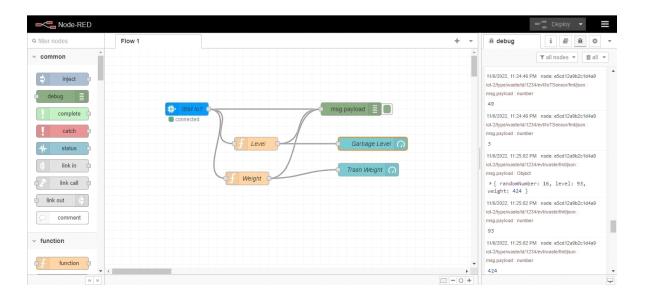
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Garbage Monitoring

Trash Weight



Garbage Level

