

SPRINT - 2

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Python Code

import time import sys

import ibmiotf.application

import ibmiotf.device

importrandom

#Provide your IBM Watson Device Credentials organization

```
= "2melo1" deviceType =
```

"waste" deviceId = "1234" authMethod =

"token" authToken = "12345678"

```
#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(0,100) weight=random.randint(0,100)
    data = { 'level' : level, 'weight': weight }
    #print data
    def myOnPublishCallback():
      print ("Published Level = %s %%" % level, "Weight = %s %%" % weight, "to IBM Watson")
```

deviceCli.commandCallback = myCommandCallback

Disconnect the device and application from the cloud deviceCli.disconnect()

OUTPUT:

```
Fig. 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/Apphata/Local/Programs/Python/Python37/smart waste.py

2022-11-06 23:23:06,437 ibmiotf.device.Client

Published Level = 6 % Weight = 28 % to IBM Watson

Published Level = 72 % Weight = 51 % to IBM Watson

Published Level = 72 % Weight = 51 % to IBM Watson

Published Level = 8 % Weight = 73 % to IBM Watson

Published Level = 8 % Weight = 30 % to IBM Watson

Published Level = 23 % Weight = 33 % to IBM Watson

Published Level = 24 % Weight = 15 % to IBM Watson

Published Level = 2 % Weight = 15 % to IBM Watson

Published Level = 0 % Weight = 15 % to IBM Watson

Published Level = 0 % Weight = 15 % to IBM Watson

Published Level = 0 % Weight = 3 % to IBM Watson

Published Level = 0 % Weight = 48 % to IBM Watson

Published Level = 77 % Weight = 8 % to IBM Watson

Published Level = 77 % Weight = 8 % to IBM Watson

Published Level = 79 % Weight = 24 % to IBM Watson

Published Level = 79 % Weight = 24 % to IBM Watson

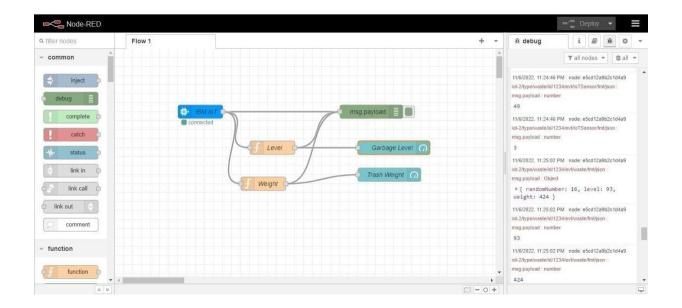
Published Level = 78 % Weight = 25 % to IBM Watson

Published Level = 78 % Weight = 25 % to IBM Watson

Published Level = 78 % Weight = 25 % to IBM Watson

Published Level = 78 % Weight = 25 % to IBM Watson
```

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