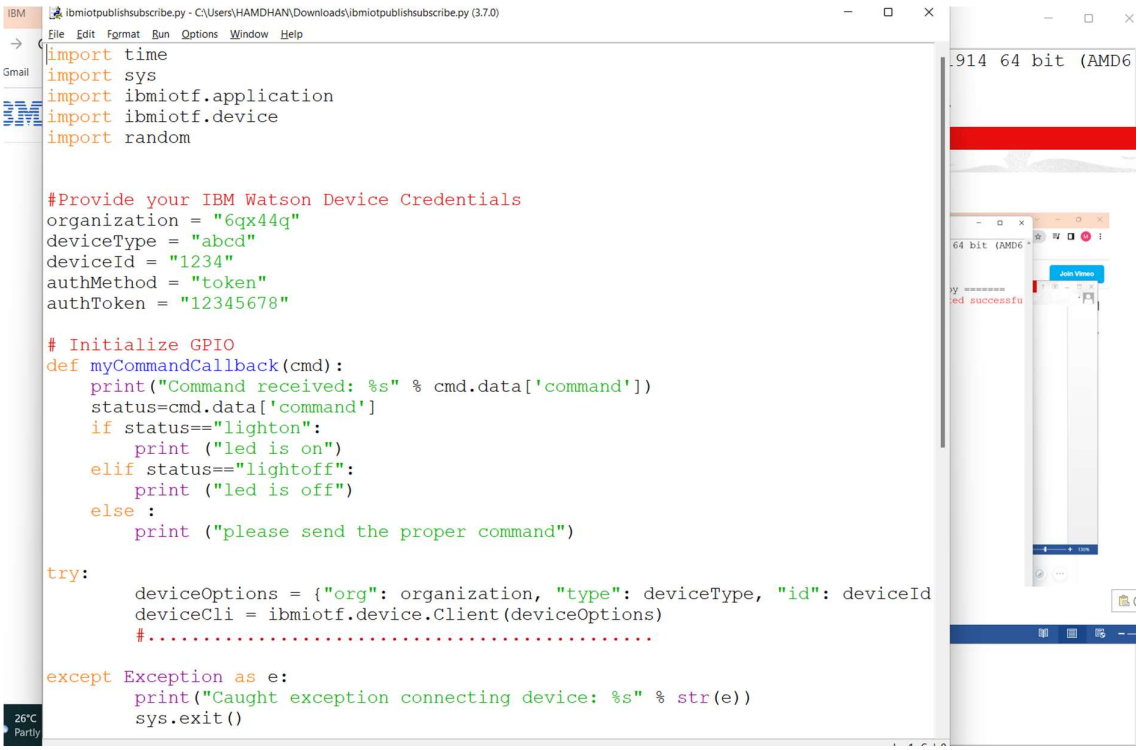
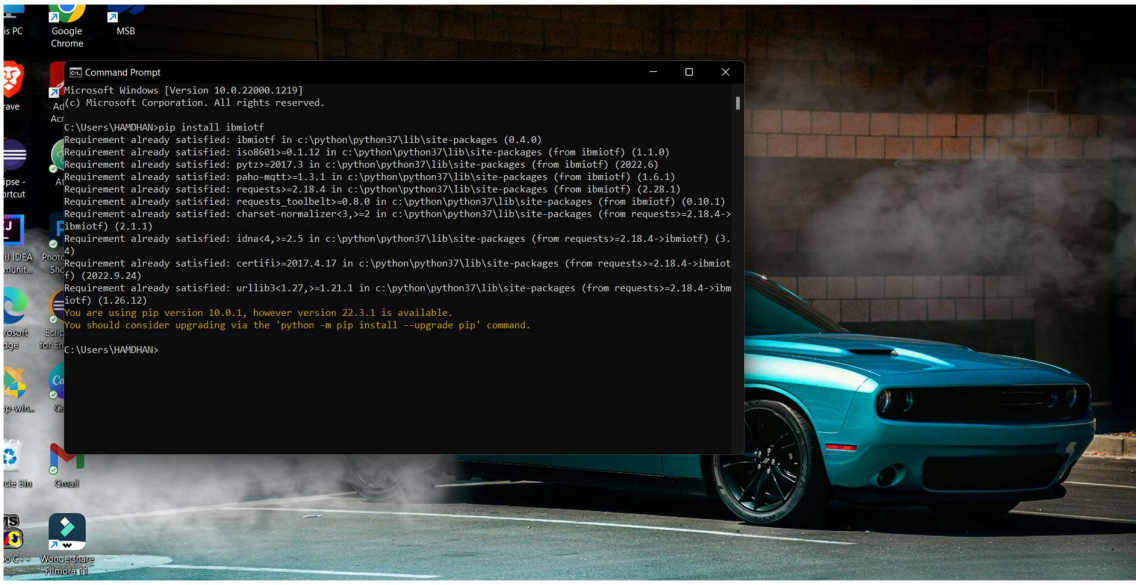
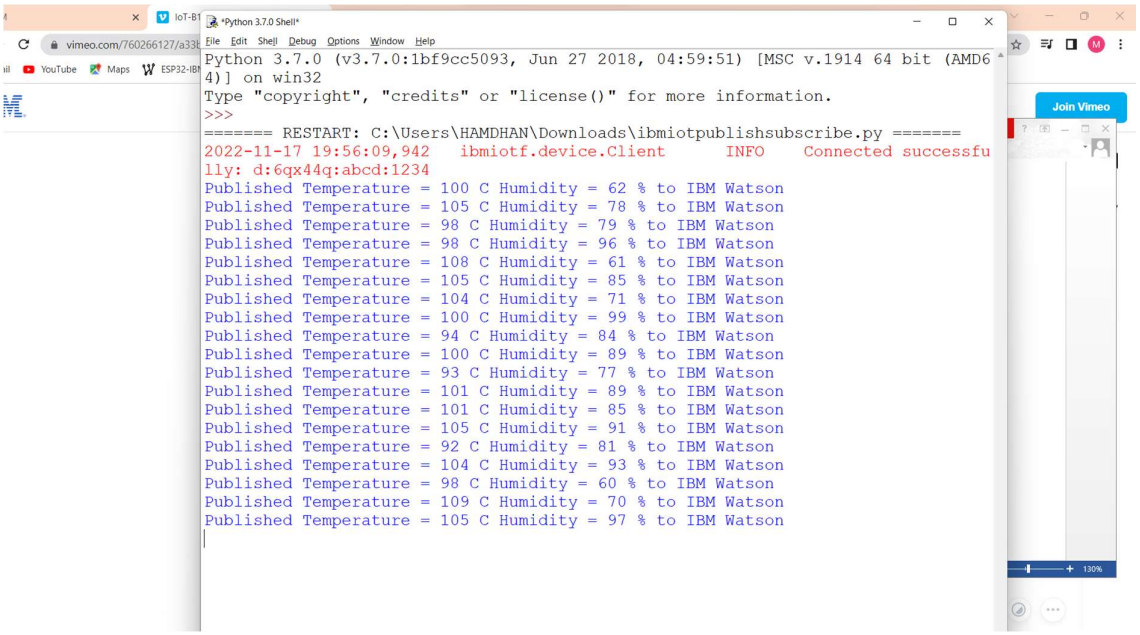
TEAM ID: PNT2022TMID21674

SMART WASTE MANAGEMENT SYSTEM

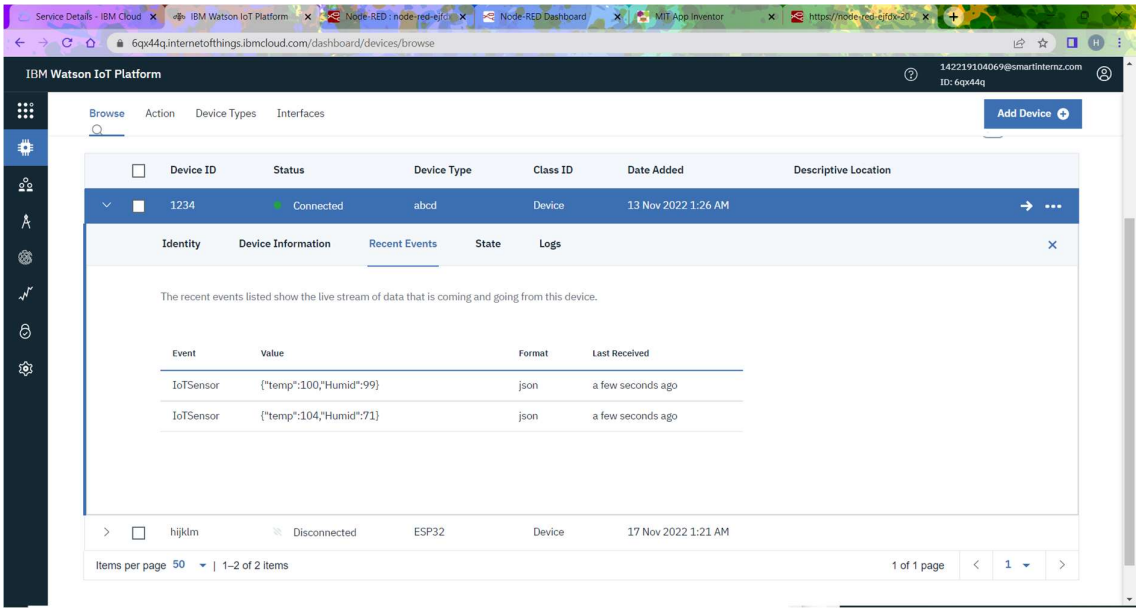
PYTHON SCRIPT

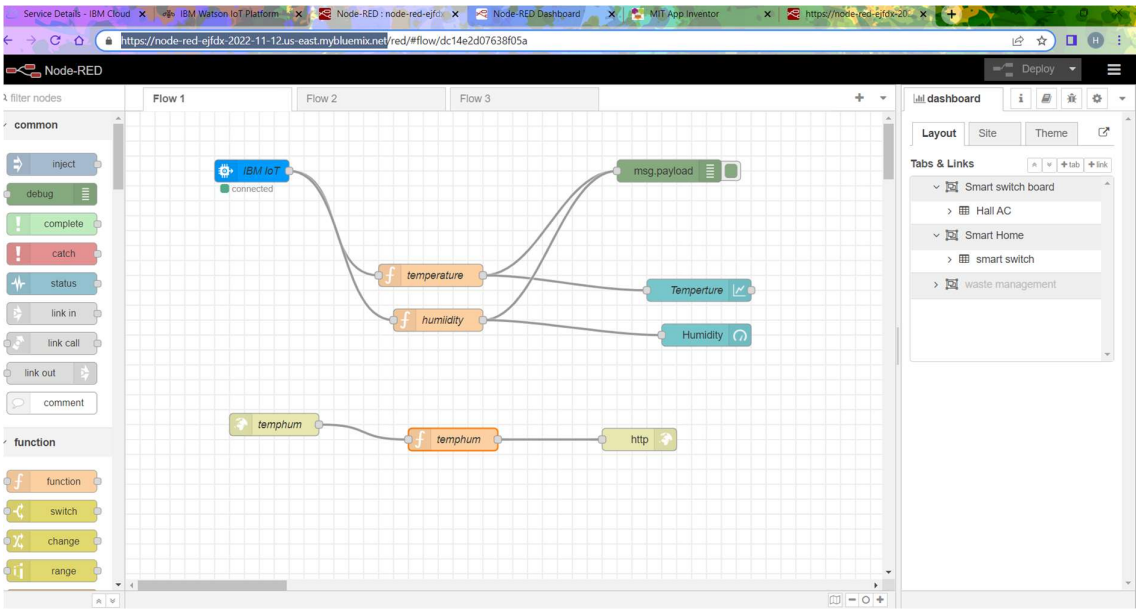


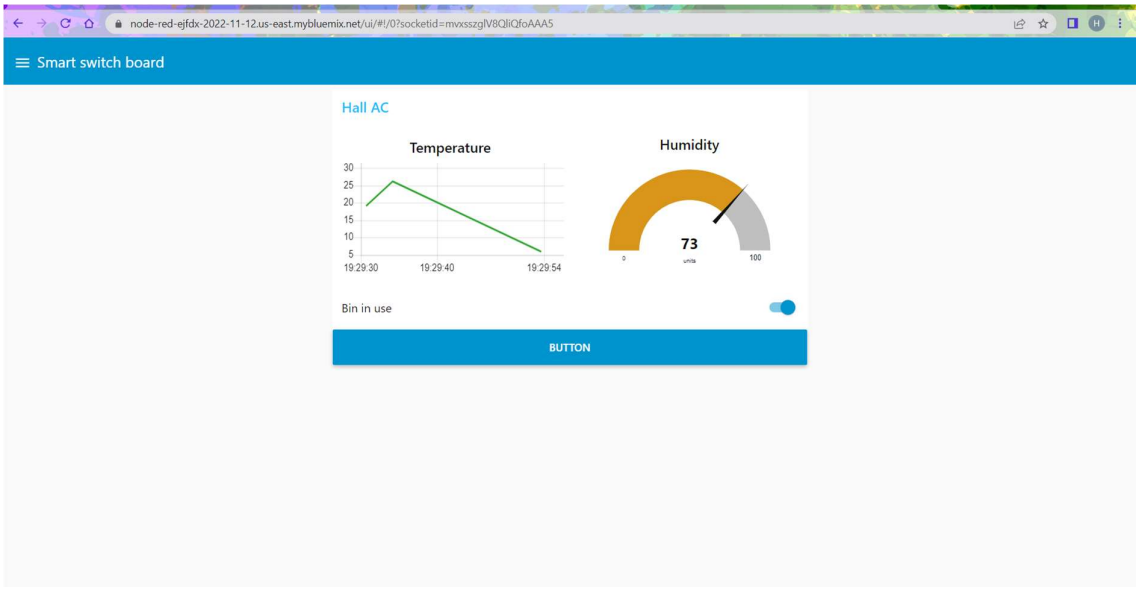

Google Chrome
MSB
Command Prompt
Microsoft Windows [Version 10.0.22000.1219]
(c) Microsoft Corporation. All rights reserved.
C:\Users\HAMDHAN>pip install ibmiotf
Requirement already satisfied: ibmiotf in c:\python\python37\lib\site-packages (0.4.0)
Requirement already satisfied: iso8601>=0.1.12 in c:\python\python37\lib\site-packages (from ibmiotf) (1.1.0)
Requirement already satisfied: pytz>=2017.3 in c:\python\python37\lib\site-packages (from ibmiotf) (2022.6)
Requirement already satisfied: paho-mqtt>=1.3.1 in c:\python\python37\lib\site-packages (from ibmiotf) (1.6.1)
Requirement already satisfied: requests>=2.18.4 in c:\python\python37\lib\site-packages (from ibmiotf) (2.28.1)
Requirement already satisfied: requests_toolbelt>=0.8.0 in c:\python\python37\lib\site-packages (from ibmiotf) (0.10.1)
Requirement already satisfied: charset-normalizer<3,>=2 in c:\python\python37\lib\site-packages (from requests>=2.18.4->ibmiotf) (2.1.1)
Requirement already satisfied: idna<4,>=2.5 in c:\python\python37\lib\site-packages (from requests>=2.18.4->ibmiotf) (3.4)
Requirement already satisfied: certifi>=2017.4.17 in c:\python\python37\lib\site-packages (from requests>=2.18.4->ibmiotf) (2022.9.24)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\python\python37\lib\site-packages (from requests>=2.18.4->ibmiotf) (1.26.12)
You are using pip version 10.0.1, however version 22.3.1 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.
C:\Users\HAMDHAN>
Gmail


Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, 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\HAMDHAN\Downloads\ibmiotpublishsubscribe.py =======
2022-11-17 19:56:09,942 ibmiotf.device.Client INFO Connected successfully: d:6qx44q:abcd:1234
Published Temperature = 100 C Humidity = 62 % to IBM Watson
Published Temperature = 105 C Humidity = 78 % to IBM Watson
Published Temperature = 98 C Humidity = 79 % to IBM Watson
Published Temperature = 98 C Humidity = 96 % to IBM Watson
Published Temperature = 108 C Humidity = 61 % to IBM Watson
Published Temperature = 105 C Humidity = 85 % to IBM Watson
Published Temperature = 104 C Humidity = 71 % to IBM Watson
Published Temperature = 100 C Humidity = 99 % to IBM Watson
Published Temperature = 94 C Humidity = 84 % to IBM Watson
Published Temperature = 100 C Humidity = 89 % to IBM Watson
Published Temperature = 93 C Humidity = 77 % to IBM Watson
Published Temperature = 101 C Humidity = 89 % to IBM Watson
Published Temperature = 101 C Humidity = 85 % to IBM Watson
Published Temperature = 105 C Humidity = 91 % to IBM Watson
Published Temperature = 92 C Humidity = 81 % to IBM Watson
Published Temperature = 104 C Humidity = 93 % to IBM Watson
Published Temperature = 98 C Humidity = 60 % to IBM Watson
Published Temperature = 109 C Humidity = 70 % to IBM Watson
Published Temperature = 105 C Humidity = 97 % to IBM Watson
Join Vimeo

PUBLISHING PYTHON CODE WITH IBM CLOUD






node-red-ejfdx-2022-11-12.us-east.mybluemix.net/ui/#!/0?socketid=mvxsszglV8QliQfoAAA5
Smart switch board
Hall AC
Temperature
30
25
20
15
10
5
19:29:30
19:29:40
19:29:54
Humidity
73
0
100
Bin in use
BUTTON