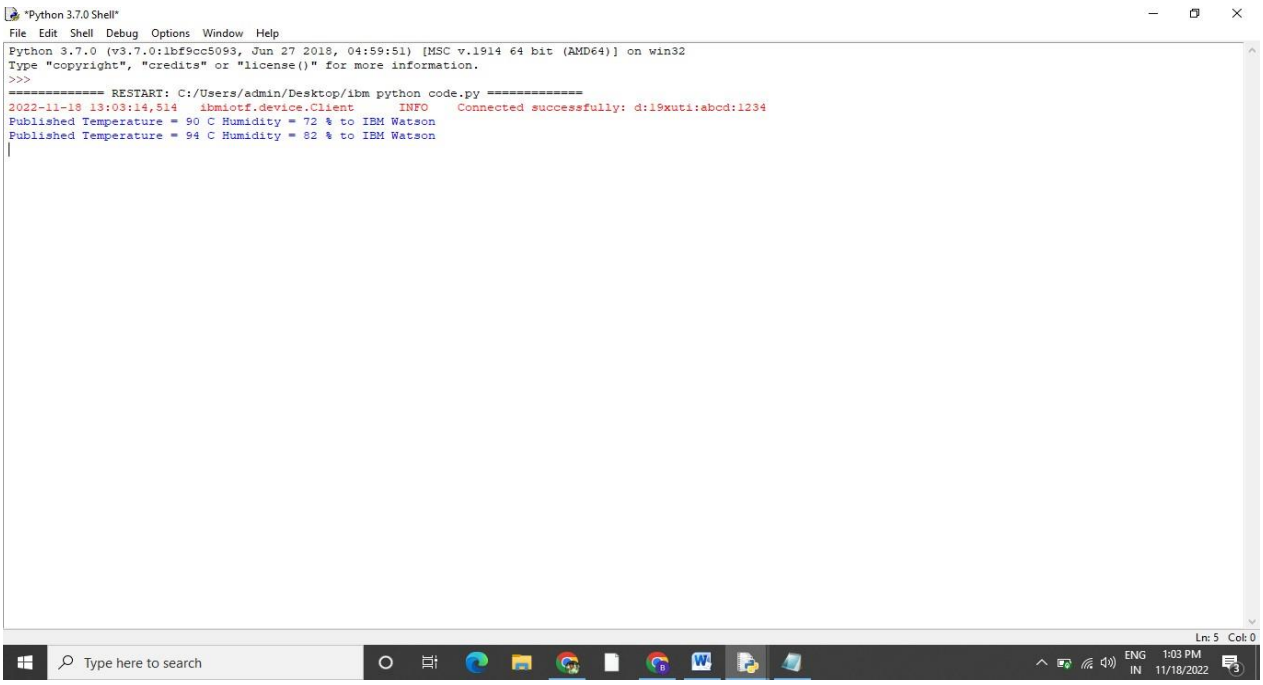
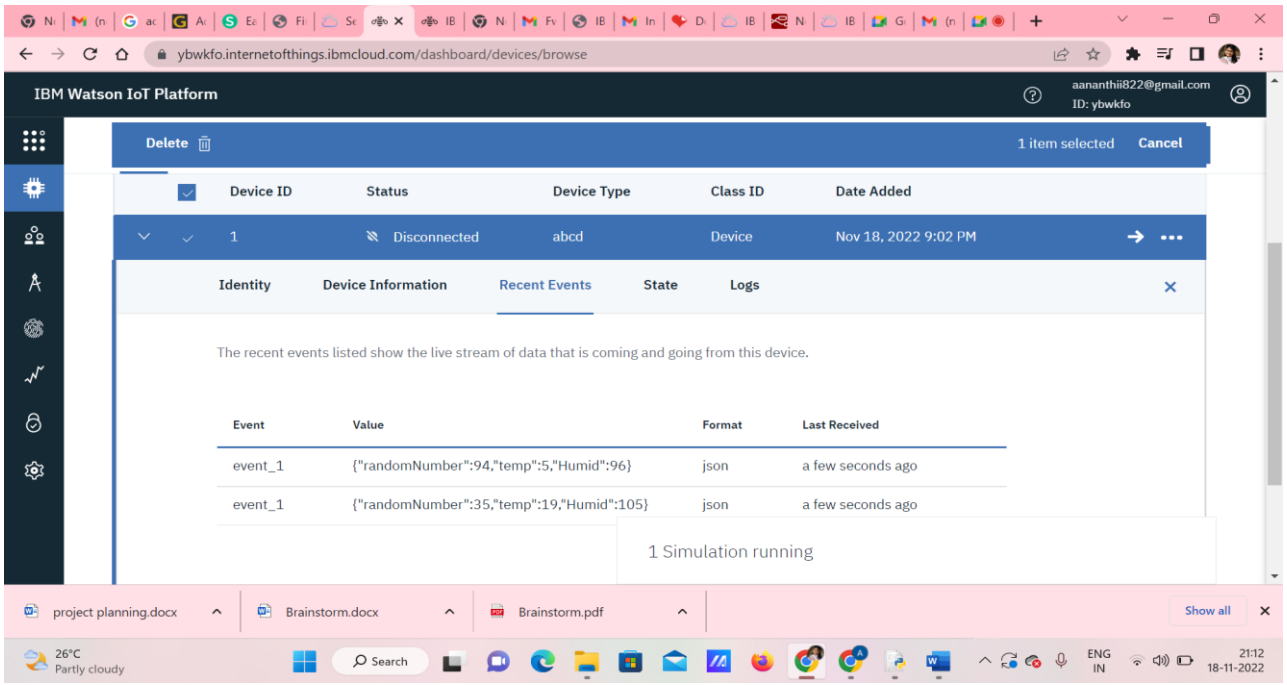
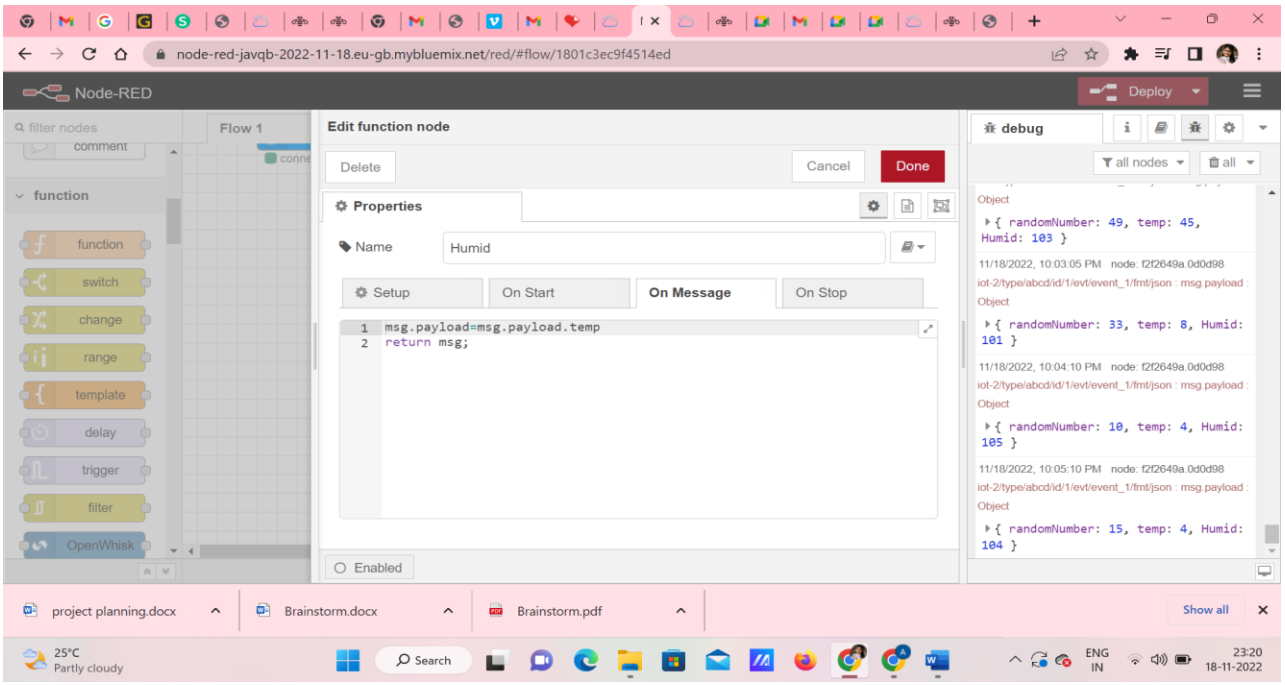
Team id: PNT2022TMID04566

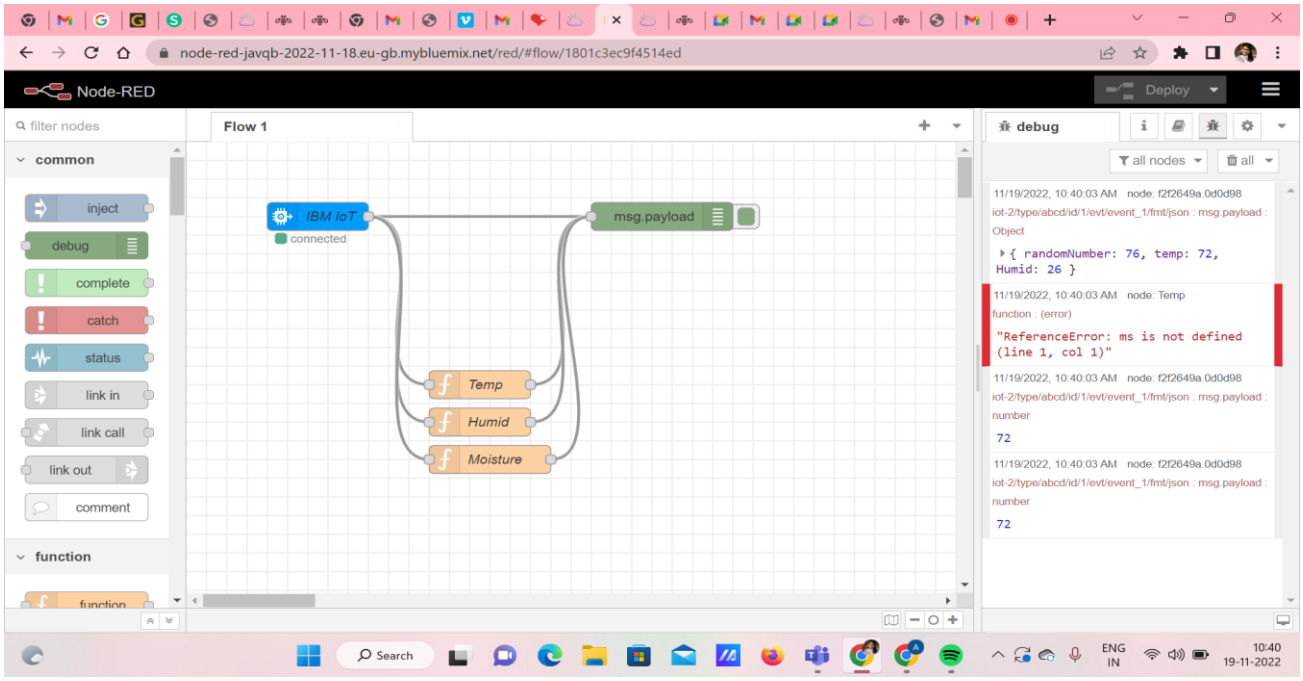
Project name: Gas leakage monitoring and Alerting system for industries

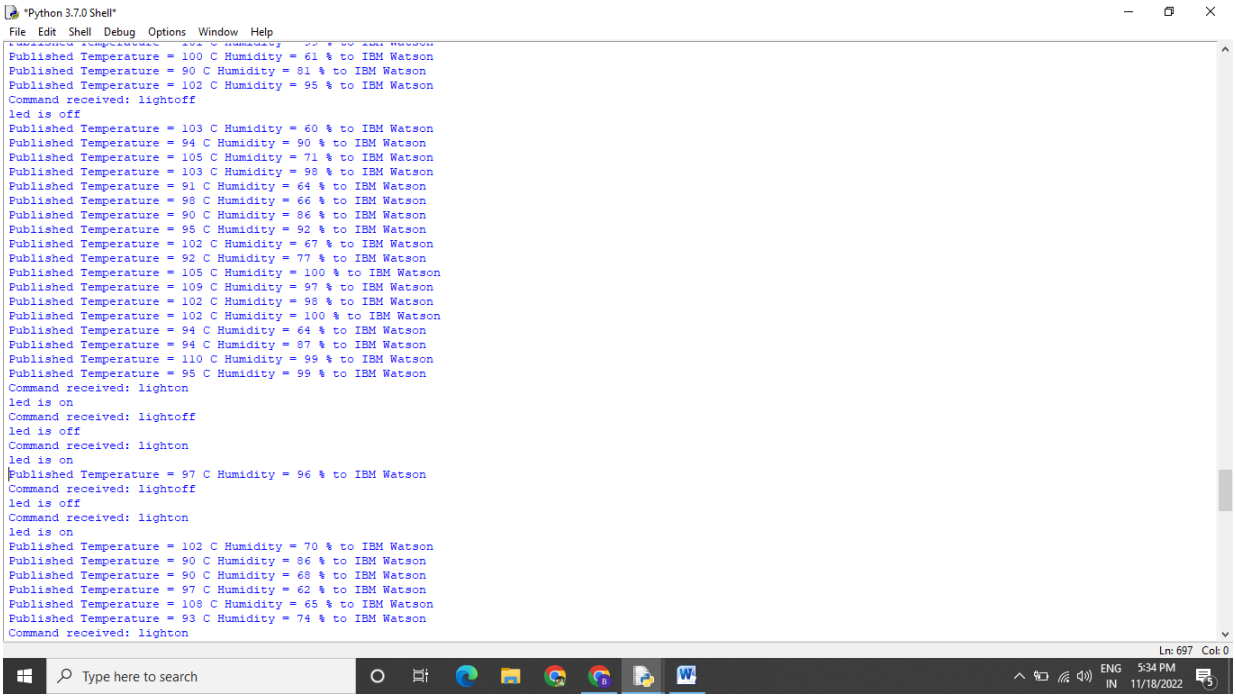
Connect to IBM using python script and getting the information in the application developed using MIT app inventor:

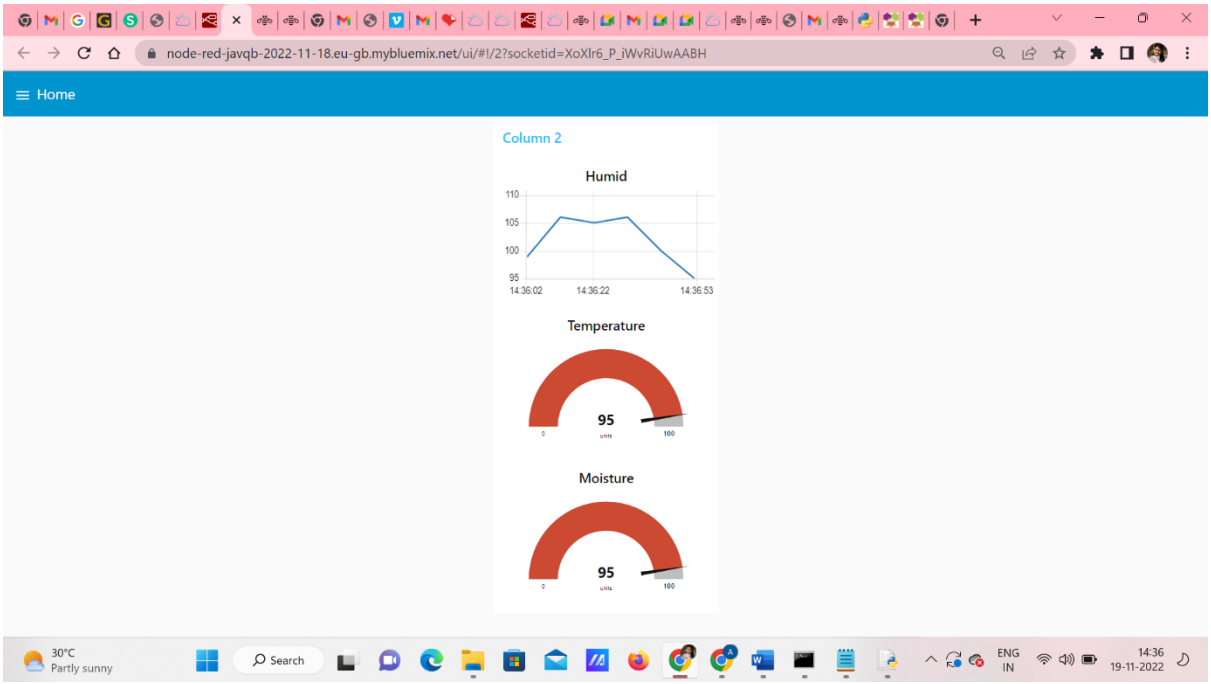


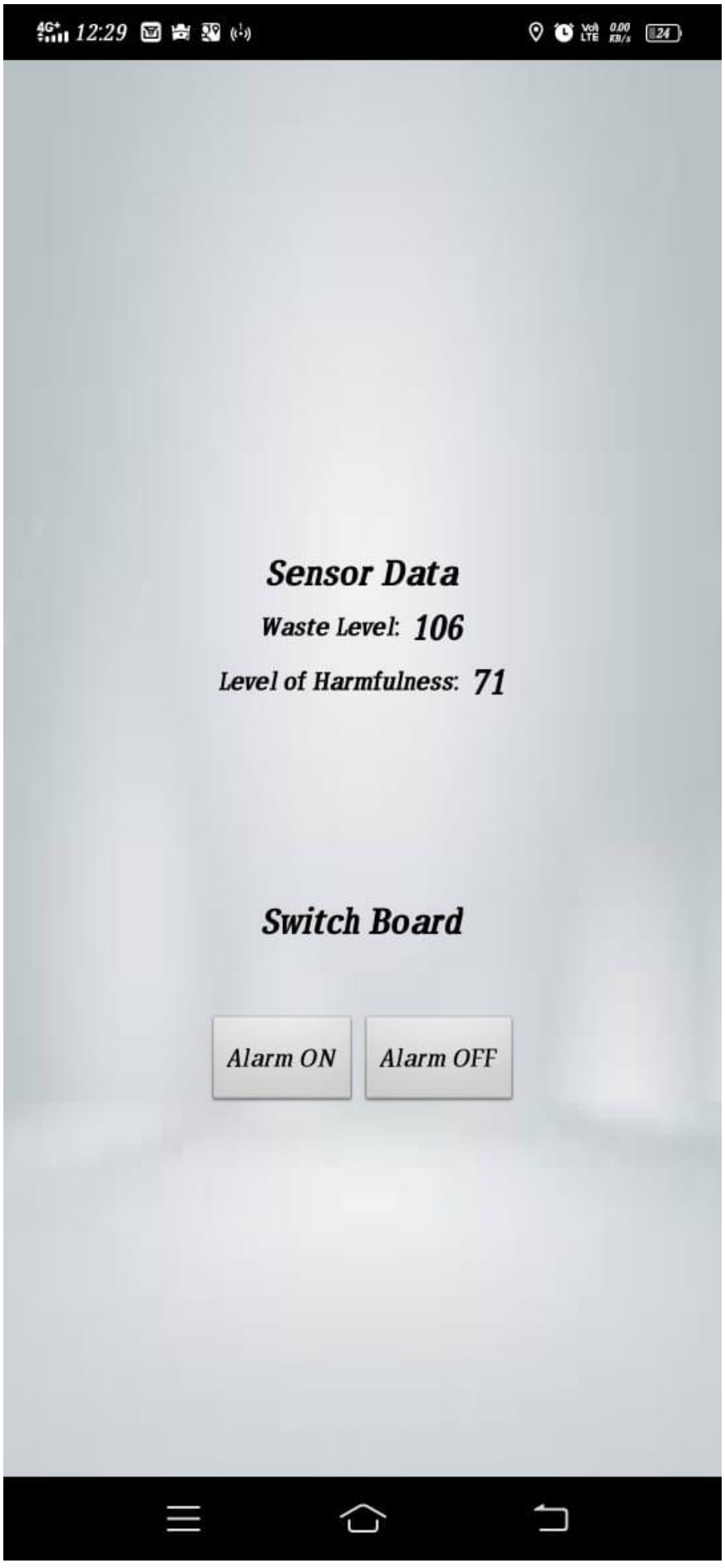



node-red-javqb-2022-11-18.eu-gb.mybluemix.net/red/#flow/1801c3ec9f4514ed
Node-RED
Deploy
Flow 1
Edit function node
Delete
Cancel
Done
Properties
Name
Humid
Setup
On Start
On Message
On Stop
1 msg.payload=msg.payload.temp
2 return msg;
Enabled
debug
function
switch
change
range
template
delay
trigger
filter
OpenWhisk
{ randomNumber: 49, temp: 45, Humid: 103 }
{ randomNumber: 33, temp: 8, Humid: 101 }
{ randomNumber: 10, temp: 4, Humid: 105 }
{ randomNumber: 15, temp: 4, Humid: 104 }
project planning.docx
Brainstorm.docx
Brainstorm.pdf
Show all
25°C
Partly cloudy
Search
ENG
IN
23:20
18-11-2022


node-red-javqb-2022-11-18.eu-gb.mybluemix.net/red/#flow/1801c3ec9f4514ed
Node-RED
Deploy
Flow 1
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
IBM IoT
connected
msg.payload
Temp
Humid
Moisture
{ randomNumber: 76, temp: 72, Humid: 26 }
"ReferenceError: ms is not defined (line 1, col 1)"
72
72
Search
ENG
IN
10:40
19-11-2022


Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Published Temperature = 100 C Humidity = 61 % to IBM Watson
Published Temperature = 90 C Humidity = 81 % to IBM Watson
Published Temperature = 102 C Humidity = 95 % to IBM Watson
Command received: lightoff
led is off
Published Temperature = 103 C Humidity = 60 % to IBM Watson
Published Temperature = 94 C Humidity = 90 % to IBM Watson
Published Temperature = 105 C Humidity = 71 % to IBM Watson
Published Temperature = 103 C Humidity = 98 % to IBM Watson
Published Temperature = 91 C Humidity = 64 % to IBM Watson
Published Temperature = 98 C Humidity = 66 % to IBM Watson
Published Temperature = 90 C Humidity = 86 % to IBM Watson
Published Temperature = 95 C Humidity = 92 % to IBM Watson
Published Temperature = 102 C Humidity = 67 % to IBM Watson
Published Temperature = 92 C Humidity = 77 % to IBM Watson
Published Temperature = 105 C Humidity = 100 % to IBM Watson
Published Temperature = 109 C Humidity = 97 % to IBM Watson
Published Temperature = 102 C Humidity = 98 % to IBM Watson
Published Temperature = 102 C Humidity = 100 % to IBM Watson
Published Temperature = 94 C Humidity = 64 % to IBM Watson
Published Temperature = 94 C Humidity = 87 % to IBM Watson
Published Temperature = 110 C Humidity = 99 % to IBM Watson
Published Temperature = 95 C Humidity = 99 % to IBM Watson
Command received: lighton
led is on
Command received: lightoff
led is off
Command received: lighton
led is on
Published Temperature = 97 C Humidity = 96 % to IBM Watson
Command received: lightoff
led is off
Command received: lighton
led is on
Published Temperature = 102 C Humidity = 70 % to IBM Watson
Published Temperature = 90 C Humidity = 86 % to IBM Watson
Published Temperature = 90 C Humidity = 68 % to IBM Watson
Published Temperature = 97 C Humidity = 62 % to IBM Watson
Published Temperature = 108 C Humidity = 65 % to IBM Watson
Published Temperature = 93 C Humidity = 74 % to IBM Watson
Command received: lighton
Ln: 697 Col: 0
Type here to search
ENG IN 5:34 PM 11/18/2022


node-red-javqb-2022-11-18.eu-gb.mybluemix.net/ui/#!/2?socketid=XoXlr6_P_iWvRiUwAABH
Home
Column 2
Humid
110
105
100
95
14:36:02
14:36:22
14:36:53
Temperature
95
Moisture
95
30°C
Partly sunny
Search
ENG IN
14:36
19-11-2022


12:29
Sensor Data
Waste Level: 106
Level of Harmfulness: 71
Switch Board
Alarm ON
Alarm OFF