

WEB UI OPERATION

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FIGURE-1: WEB UI CREATED USING NODE RED DASHBOARD

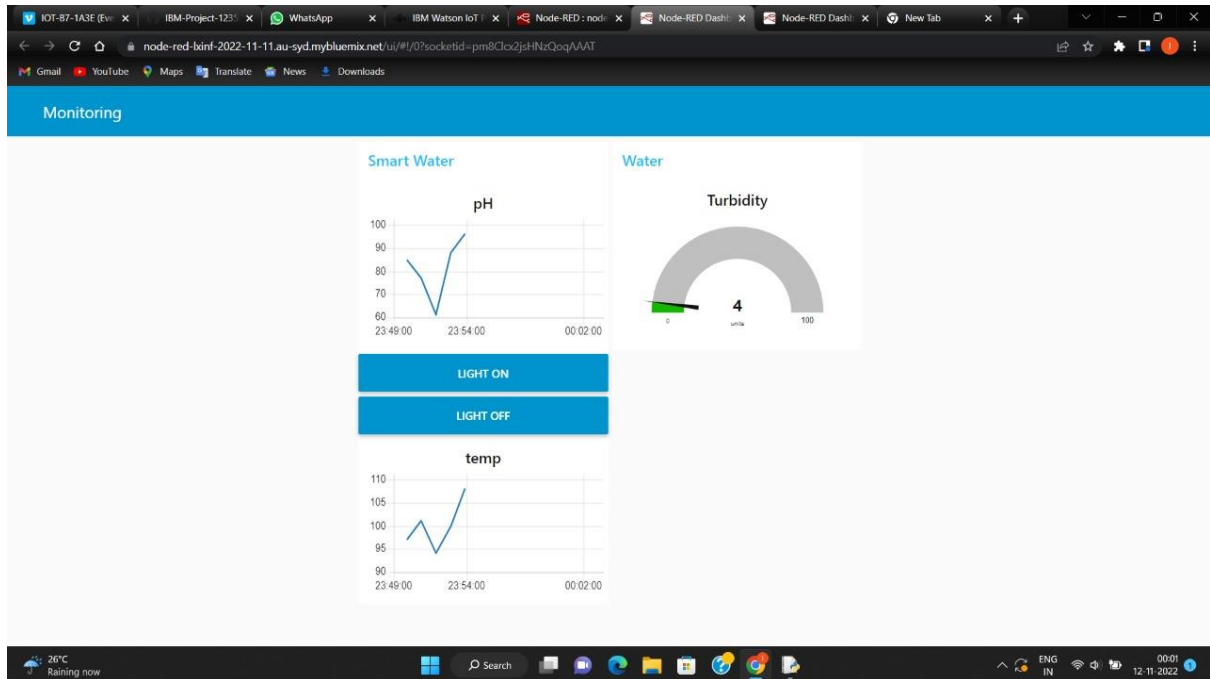
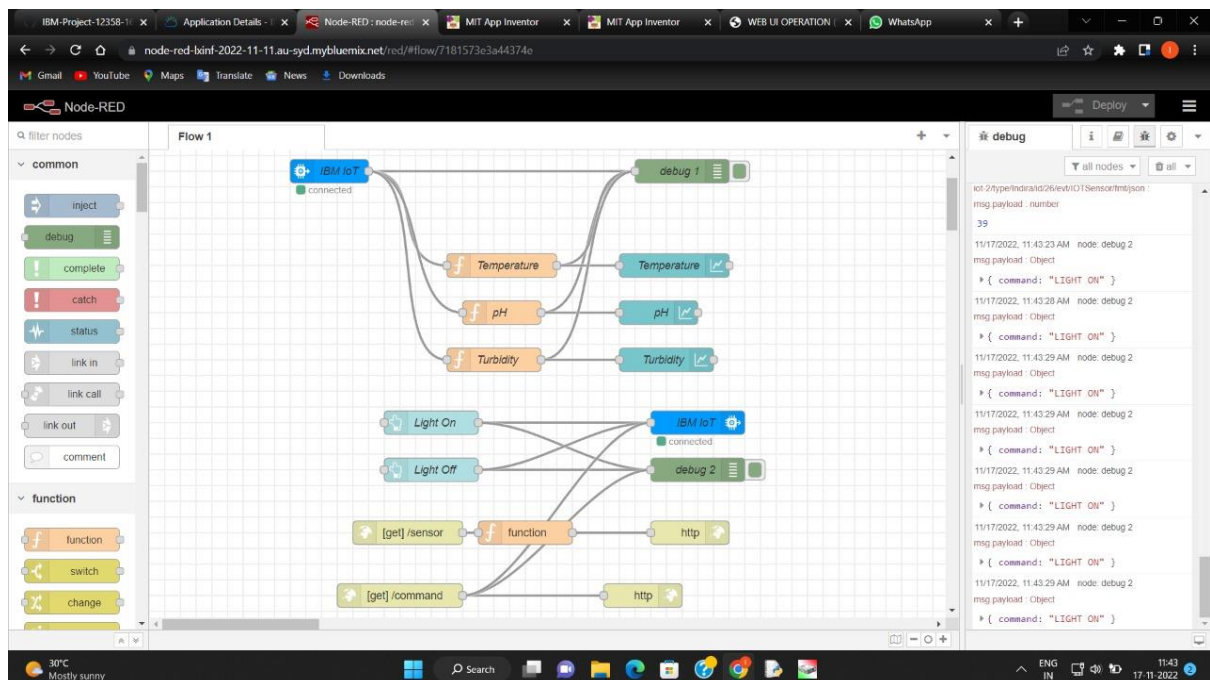
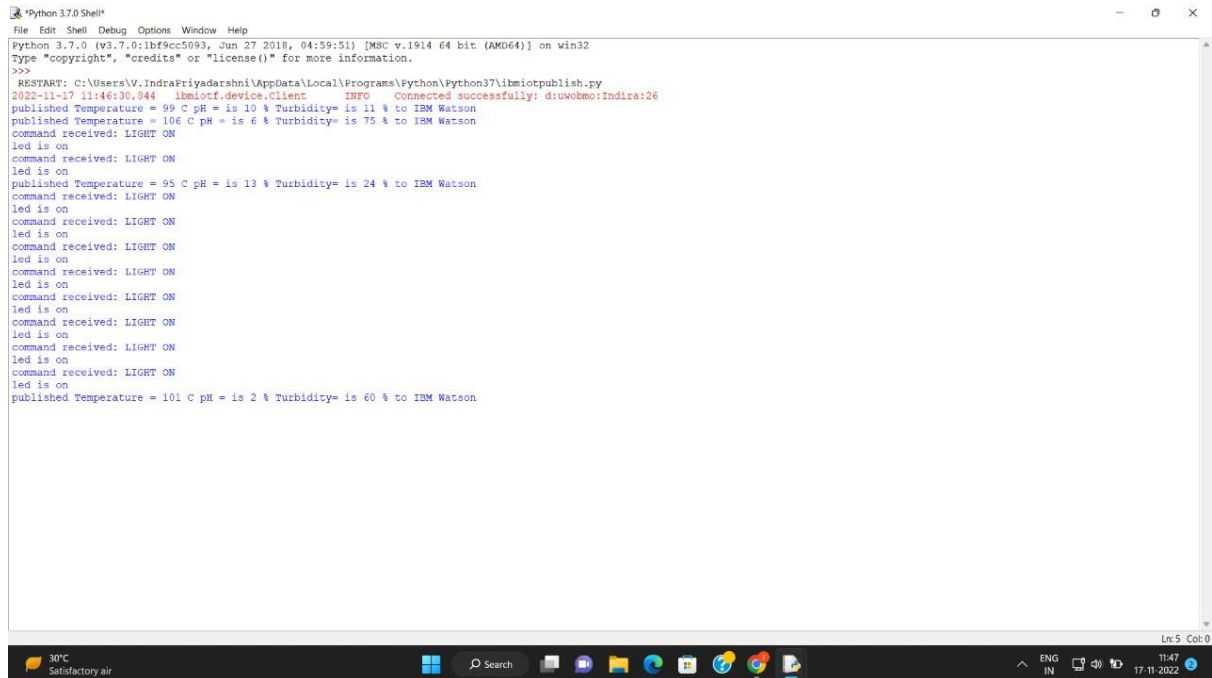


FIGURE2: WHEN THE LIGHTON BUTTON IS PRESSED

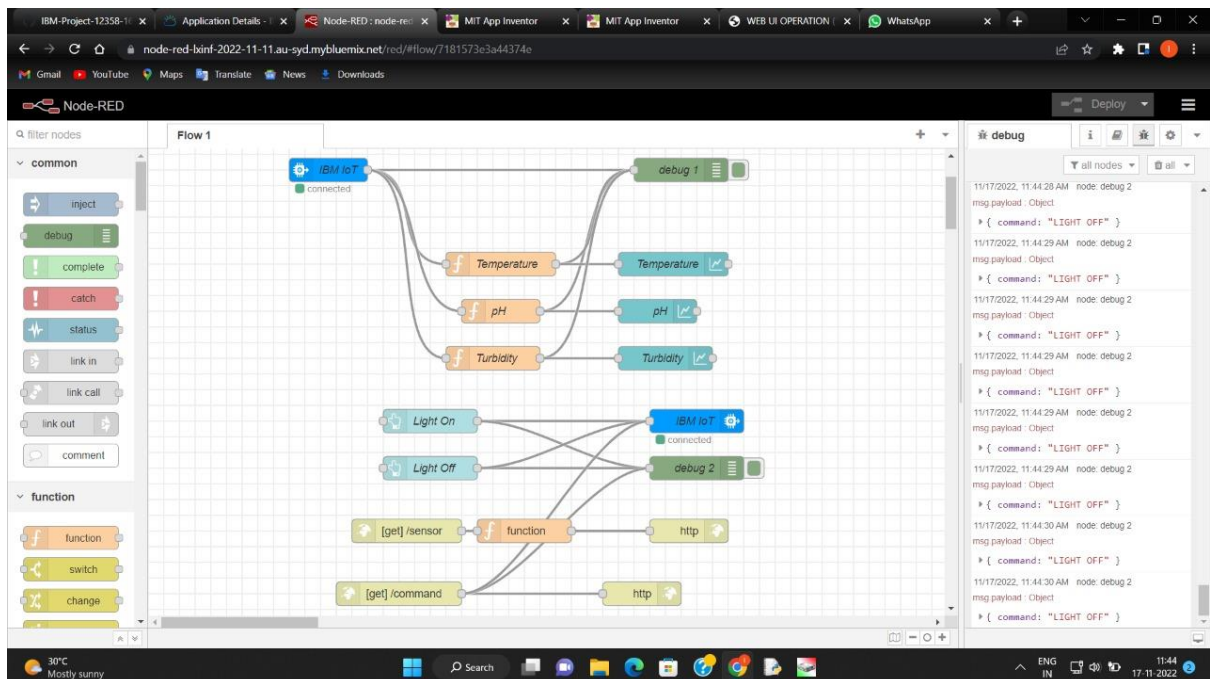


**FIGURE3: PYTHON IDLE SOFTWARE OUTPUT CONSOLE WHEN LIGHT ON
BUTTON IS PRESSED ON WEB UI**



```
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\V.IndraPriyadarshni\AppData\Local\Programs\Python\Python37\lib\io\publish.py
2022-11-17 11:46:30,044 ibmiotf.device.Client INFO Connected successfully: d:uwobmc:Indira:26
published Temperature = 99 C pH = is 10 % Turbidity= is 11 % to IBM Watson
published Temperature = 106 C pH = is 6 % Turbidity= is 75 % to IBM Watson
command received: LIGHT ON
led is on
command received: LIGHT ON
led is on
published Temperature = 95 C pH = is 13 % Turbidity= is 24 % to IBM Watson
command received: LIGHT ON
led is on
command received: LIGHT ON
led is on
command received: LIGHT ON
led is on
command received: LIGHT ON
led is on
command received: LIGHT ON
led is on
command received: LIGHT ON
led is on
command received: LIGHT ON
led is on
published Temperature = 101 C pH = is 2 % Turbidity= is 60 % to IBM Watson
```

FIGURE4: WHEN LIGHTOFF BUTTON IS PRESSED ON THE WEB UI



```
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\V.IndraPriyadarshni\AppData\Local\Programs\Python\Python37\ibmiotpublish.py
2022-11-17 11:48:30.705 ibmiotf.device.Client INFO Connected successfully: d:uwokmo:Indira:26
published Temperature = 99 C pH = is 7 % Turbidity= is 61 % to IBM Watson
published Temperature = 106 C pH = is 12 % Turbidity= is 28 % to IBM Watson
published Temperature = 109 C pH = is 2 % Turbidity= is 54 % to IBM Watson
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
command received: LIGHT OFF
led is off
published Temperature = 110 C pH = is 7 % Turbidity= is 59 % to IBM Watson
```