Date	11 NOVEMBER 2022
Team ID	PNT2022TMID47456
Project Name	SMART WASTE MANAGEMENT FOR
	METROPOLITIEN CITIESS
Maximum	20 Marks
Marks	

SPRINT-3

FIG 1&2: Develop a python script to publish random sensor data such as load cell , IR sensor and GSM/GPS

FIG 3: Output for python script

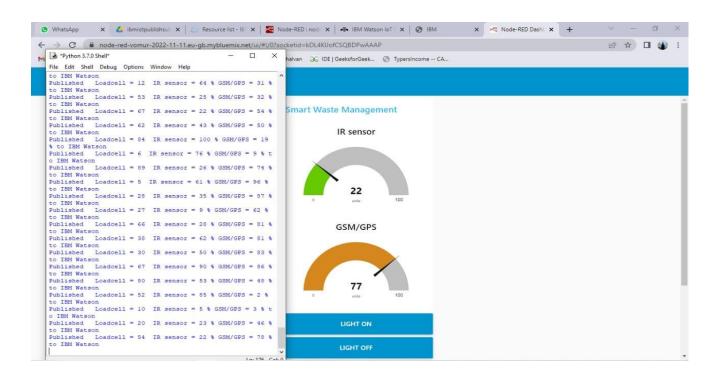
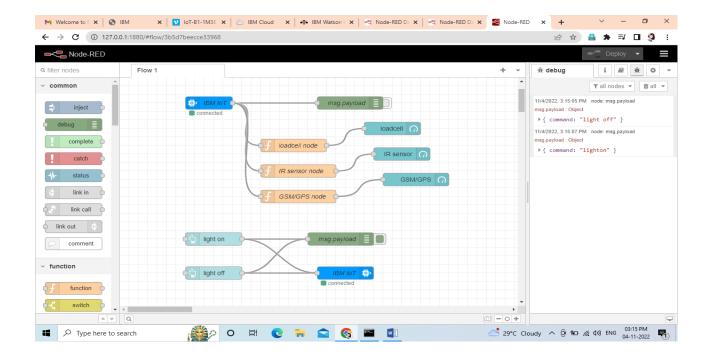


FIG 4: After developing python code , commands are received just print the statements which represent the control of the device



```
*Python 3.7.0 Shell*
                                                                                                                                                                                                                                                                                                                                                                                    O
                                                                                                                                                                                                                                                                                                                                                                                                X
 File Edit Shell Debug Options Window Help
                          Published
 Published
 Published
  Published
 Published
 Published
 Published
 Published
 Published
 Published
 Command received: lighton
 led is on
Published
                         Loadcell = 4 IR sensor = 90 % GSM/GPS = 46 % to IBM Watson
 Command received: Lightoff
 led is off
                         Loadcell = 93 IR sensor = 32 % GSM/GPS = 52 % to IBM Watson
  Command received: lighton
 led is on
 Published Loadcell = 28 IR sensor = 44 % GSM/GPS = 83 % to IBM Watson Published Loadcell = 70 IR sensor = 51 % GSM/GPS = 38 % to IBM Watson
 Command received: Lightoff
 led is off
   Command received: lighton
                          Loadcell = 61 IR sensor = 11 % GSM/GPS = 34 % to IBM Watson Loadcell = 96 IR sensor = 3 % GSM/GPS = 54 % to IBM Watson Loadcell = 13 IR sensor = 8 % GSM/GPS = 93 % to IBM Watson Loadcell = 4 IR sensor = 96 % GSM/GPS = 99 % to IBM Watson Loadcell = 77 IR sensor = 96 % GSM/GPS = 90 % to IBM Watson Loadcell = 77 IR sensor = 95 % GSM/GPS = 100 % to IBM Watson Loadcell = 14 IR sensor = 31 % GSM/GPS = 8 % to IBM Watson Loadcell = 80 IR sensor = 21 % GSM/GPS = 93 % to IBM Watson Loadcell = 80 IR sensor = 32 % GSM/GPS = 93 % to IBM Watson Loadcell = 80 IR sensor = 38 % GSM/GPS = 10 % to IBM Watson Loadcell = 96 IR sensor = 38 % GSM/GPS = 10 % to IBM Watson Loadcell = 23 IR sensor = 37 % GSM/GPS = 82 % to IBM Watson Loadcell = 62 IR sensor = 37 % GSM/GPS = 94 % to IBM Watson Loadcell = 62 IR sensor = 31 % GSM/GPS = 94 % to IBM Watson Loadcell = 76 IR sensor = 31 % GSM/GPS = 94 % to IBM Watson Loadcell = 76 IR sensor = 52 % GSM/GPS = 18 % to IBM Watson Loadcell = 84 IR sensor = 62 % GSM/GPS = 18 % to IBM Watson Loadcell = 11 IR sensor = 11 % GSM/GPS = 55 % to IBM Watson
 led is on
 Published
 Published
  Published
 Published
 Published
 Published
 Published
  Published
 Published
 Published
 Published
 Published
 Published
```

FIG 6: Publish data to the IBM cloud

