

Develop a python script

Team ID	PNT2022TMID31725
Project Name	Smart waste management system for metropolitan cities

SPRIT 3 SCREEN SHOTS FOR SIMULATOR

The image displays four screenshots of a Python script running in a terminal window. The script appears to be a simulation for a smart waste management system, outputting data for various locations and their associated waste management parameters.

Top Left Screenshot: Shows data for Karur, including published distance, location (lon, lat), and risk warning. The output is as follows:

```
published distance = 40 loadcell:8 lon = 78.135731 lat = 10.930091
0 %
Risk warning:40 %
alert :No need to collect right now
Kandigramam, Karur
published distance = 40 loadcell:8 lon = 78.135731 lat = 10.930091
0 %
Risk warning:40 %
alert :No need to collect right now
Kandigramam, Karur
published distance = 16 loadcell:14 lon = 78.135731 lat = 10.930091
0 %
Risk warning:12 %
alert :No need to collect right now
Kandigramam, Karur
published distance = 16 loadcell:14 lon = 78.135731 lat = 10.930091
0 %
Risk warning:12 %
alert :No need to collect right now
Kandigramam, Karur
published distance = 36 loadcell:12 lon = 78.135731 lat = 10.930091
0 %
Risk warning:dampster is above 60%
alert :No need to collect right now
Kandigramam, Karur
published distance = 36 loadcell:12 lon = 78.135731 lat = 10.930091
0 %
Risk warning:dampster is above 60%
alert :No need to collect right now
```

Top Right Screenshot: Shows data for Karur, including published distance, location (lon, lat), and risk warning. The output is as follows:

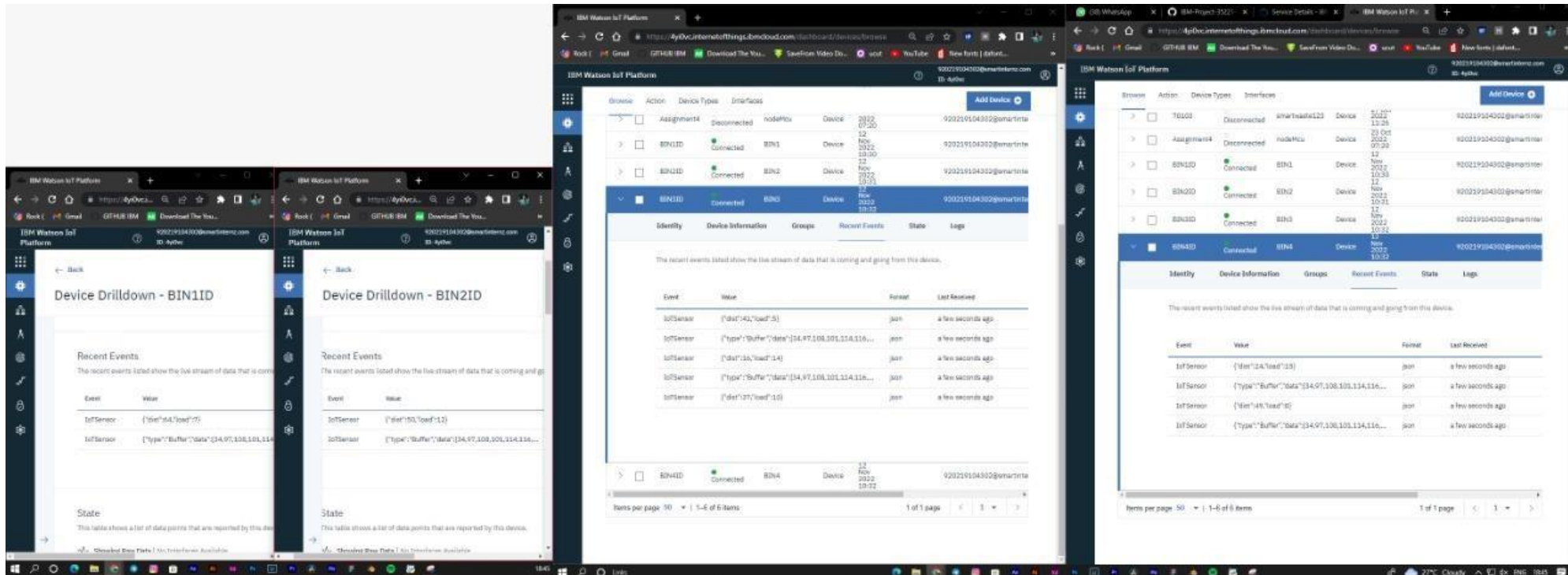
```
2022-11-14 10:42:50.187 IBMiot4.Device.Client4 INFO Connected successfully: d:\4\Boc\BIN\DEVIED
Kandigramam, Karur
published distance = 24 loadcell:10 lon = 78.135731 lat = 10.930091
0 %
Risk warning:dampster is above 60%
alert :No need to collect right now
Kandigramam, Karur
published distance = 24 loadcell:10 lon = 78.135731 lat = 10.930091
0 %
Risk warning:dampster is above 60%
alert :No need to collect right now
```

Bottom Left Screenshot: Shows data for Karur, including published distance, location (lon, lat), and risk warning. The output is as follows:

```
2022-11-14 10:42:51.287 IBMiot4.Device.Client4 INFO Connected successfully: d:\4\Boc\BIN\DEVIED
Kandigramam, Karur
published distance = 22 loadcell:15 lon = 78.135731 lat = 10.930091
0 %
Risk warning:dampster is above 60%
alert :No need to collect right now
Kandigramam, Karur
published distance = 22 loadcell:15 lon = 78.135731 lat = 10.930091
0 %
Risk warning:dampster is above 60%
alert :No need to collect right now
```

Bottom Right Screenshot: Shows data for Karur, including published distance, location (lon, lat), and risk warning. The output is as follows:

```
published distance = 55 loadcell:11 lon = 78.135731 lat = 10.930091
0 %
Risk warning:40 %
alert :No need to collect right now
Pullyar, Karur
published distance = 55 loadcell:11 lon = 78.135731 lat = 10.930091
0 %
Risk warning:40 %
alert :No need to collect right now
Pullyar, Karur
published distance = 26 loadcell:11 lon = 78.135731 lat = 10.930091
0 %
Risk warning:dampster is above 60%
alert :No need to collect right now
Pullyar, Karur
published distance = 31 loadcell:11 lon = 78.135731 lat = 10.930091
0 %
Risk warning:dampster is above 60%
alert :No need to collect right now
Pullyar, Karur
published distance = 43 loadcell:13 lon = 78.135731 lat = 10.930091
0 %
Risk warning:40 %
alert :No need to collect right now
Pullyar, Karur
published distance = 43 loadcell:13 lon = 78.135731 lat = 10.930091
0 %
Risk warning:40 %
alert :No need to collect right now
```



IBM Watson IoT Platform

https://4yi0vc.internetofthings.ibmcloud.com/dashboard/devices/browse

920219104302@smartinternz.com ID: 4yi0vc

Browse Action Device Types Interfaces

Assignment4

Disconnected

nodeMcu

Device

2022 07:20 12

920219104302@smartinter

BIN11D

BIN21D

BIN31D

Identity

The recent events

Event

IoTSensor

IoTSensor

IoTSensor

IoTSensor

IoTSensor

BIN41D

Connected

BIN4

Device

12 Nov 2022 10:32

920219104302@smartinter

Items per page 50 | 1-6 of 6 items

1 of 1 page

IBM Watson IoT Platform

https://4yi0vc.internetofthings.ibmcloud.com/dashboard/devices/browse

920219104302@smartinternz.com ID: 4yi0vc

Browse Action Device Types Interfaces

Assignment4

Disconnected

nodeMcu

Device

23 Oct 2022 07:20 12

920219104302@smartinter

BIN11D

BIN21D

BIN31D

Identity

The recent events

Event

IoTSensor

IoTSensor

IoTSensor

IoTSensor

IoTSensor

BIN41D

Connected

BIN4

Device

12 Nov 2022 10:32

920219104302@smartinter

Items per page 50 | 1-6 of 6 items

1 of 1 page

Node-RED Dashboard

http://127.0.0.1:1880/ui/#/1?socketid=-1er0USDnGjRDUhAAAB

control

Distance 1

LOAD CELL 1

Distance 2

LOAD CELL 2

Distance 3

LOAD CELL 3

Distance 4

LOAD CELL 4

0

0

10

8

27

15

61

9

Items per page 50 | 1-6 of 5 items

1 of 1 page

Links 27°C Cloudy ENG 18:45

Node-RED interface showing a flow with four parallel processing paths (Flow 1, Flow 2, Flow 3, Flow 4) and a debug console.




Flow 1: Starts with a `GET /1` node, branching into `Distance 1` and `LOAD cell 1`, both leading to `msg.payload`.


Flow 2: Starts with a `GET /sensor` node, branching into `Distance 2` and `LOAD cell 2`, both leading to `msg.payload`.

Flow 3: Starts with a `GET /sensor` node, branching into `Distance 3` and `LOAD cell 3`, both leading to `msg.payload`.


Flow 4: Starts with a `GET /sensor` node, branching into `Distance 4` and `LOAD cell 4`, both leading to `msg.payload`.

Debug Console: Shows a log of messages with timestamps and payloads. The payloads are objects containing `dist` and `load` values, such as `{ dist: 40, load: 11 }`.





20 %

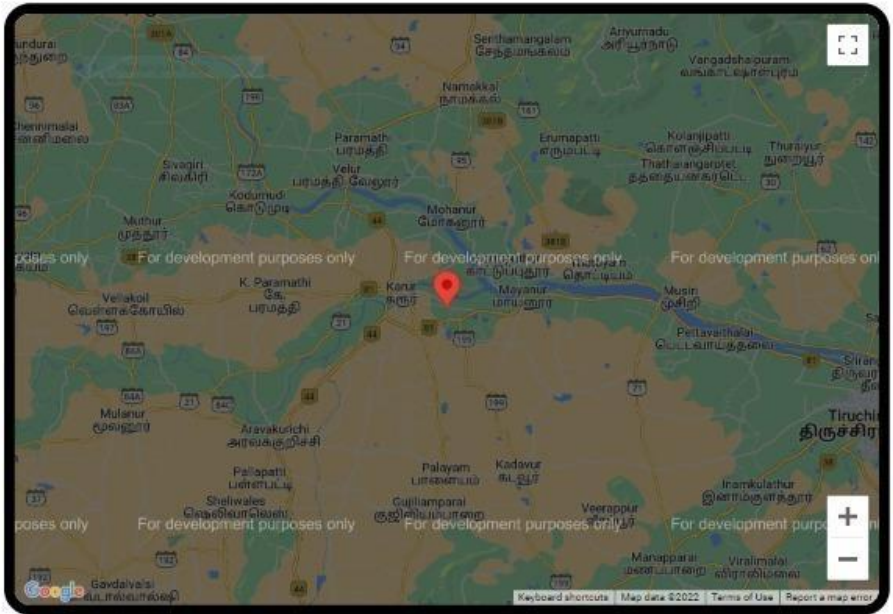


8 %

LEVEL : 60.25cm

WEIGHT : 0g

LIVE LOCATION



No need to collect right now!

Node-RED

Garbage Management System

https://chettinad.swm5.repl.co

Rock (Gmail)GITHUB IBMDownload The You...SaveFrom Video Do...ucutYouTubeNew fonts | dafont...video shoptrexAll in One Tamil Fo...StackBlitzinetWhatsAppPrime Video: Parasite7 by La-Emeralde...HTML

Windows taskbar with icons for Links, File Explorer, Chrome, VS Code, and various applications. System tray shows 27°C Cloudy, ENG, and 18:47.