

Develop a python script

Team ID	PNT2022TMID42867
Project Name	Smart waste management system for metropolitan cities

SPRINT 3 SCREEN SHOTS FOR SIMULATOR :

The image displays four terminal windows showing the execution of a Python script for a smart waste management system simulation. The script outputs data for various sensors (loadcell) and alerts based on distance and risk levels.

```

published distance = 40 loadcell:8 lon = 70.135731 lat = 10.938803
0 %
Risk warning:40 %
Alert (No need to collect right now)
WasteCollector, carer
published distance = 40 loadcell:8 lon = 70.135731 lat = 10.938803
0 %
Risk warning:40 %
Alert (No need to collect right now)
WasteCollector, carer
published distance = 25 loadcell:104 lon = 70.135731 lat = 10.938803
0 %
Risk warning:12 %
Alert (No need to collect right now)
WasteCollector, carer
published distance = 25 loadcell:104 lon = 70.135731 lat = 10.938803
0 %
Risk warning:12 %
Alert (No need to collect right now)
WasteCollector, carer
published distance = 35 loadcell:132 lon = 70.135731 lat = 10.938803
0 %
Risk warning:damper is above 60%
Alert (No need to collect right now)
WasteCollector, carer
published distance = 25 loadcell:132 lon = 70.135731 lat = 10.938803
0 %
Risk warning:damper is above 60%
Alert (No need to collect right now)

2022-11-14 10:42:15.207 [Info] IoT device client turn connected successfully deviceName:smartwaste
Publisher, carer
published distance = 22 loadcell:15 lon = 70.135731 lat = 10.938803
0 %
Risk warning:damper is above 60%
Alert (No need to collect right now)
WasteCollector, carer
published distance = 22 loadcell:15 lon = 70.135731 lat = 10.938803
0 %
Risk warning:damper is above 60%
Alert (No need to collect right now)

published distance = 55 loadcell:111 lon = 70.135731 lat = 10.938803
0 %
Risk warning:40 %
Alert (No need to collect right now)
Publisher, carer
published distance = 55 loadcell:111 lon = 70.135731 lat = 10.938803
0 %
Risk warning:40 %
Alert (No need to collect right now)
Publisher, carer
published distance = 25 loadcell:111 lon = 70.135731 lat = 10.938803
0 %
Risk warning:damper is above 60%
Alert (No need to collect right now)
Publisher, carer
published distance = 31 loadcell:111 lon = 70.135731 lat = 10.938803
0 %
Risk warning:damper is above 60%
Alert (No need to collect right now)
Publisher, carer
published distance = 47 loadcell:114 lon = 70.135731 lat = 10.938803
0 %
Risk warning:40 %
Alert (No need to collect right now)
Publisher, carer
published distance = 44 loadcell:114 lon = 70.135731 lat = 10.938803
0 %
Risk warning:40 %
Alert (No need to collect right now)

```

The screenshot shows the IBM Watson IoT Platform dashboard. The device **PNT2022TMID42867** is listed as **Disconnected**. The **Recent Events** tab is selected, showing a stream of data events.

Event	Value	Format	Last Received
event_1	{"randomNumber":7,"temp":68,"hum":100}	json	a few seconds ago
event_1	{"randomNumber":62,"temp":41,"hum":82}	json	a few seconds ago
event_1	{"randomNumber":17,"temp":61,"hum":92}	json	a few seconds ago

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1 Simulation running

