

TEAM ID	PNT2022TMID17548
PROJECT	Smart Waste Management System For Metropolitan Cities

### DEVELOP THE PYTHON SCRIPT

**Publish Data to IBM Cloud :**

**Published Data:**

The screenshot shows the IBM Cloud IoT Platform console. A device with ID 1234 is shown as 'Connected'. Below the device details, there is a table of recent events. The events are IoTSensor data points with temperature and humidity values in JSON format.

Event	Value	Form
IoTSensor	{"temp":86,"Humid":89}	json
IoTSensor	{"temp":63,"Humid":76}	json
IoTSensor	{"temp":65,"Humid":96}	json
IoTSensor	{"temp":32,"Humid":84}	json
IoTSensor	{"temp":73,"Humid":11}	json

1 Simulation running

The screenshot shows the IBM Cloud IoT Platform console. A device with ID 1234 is shown as 'Disconnected'. Below the device details, there is a table of recent events. The events are IoTSensor data points with temperature and humidity values in JSON format.

Event	Value	Format	Last Received
eventbatch11	{"randomNumber":96,"temp":36,"hum":92}	json	a few seconds ago
eventbatch11	{"randomNumber":12,"temp":39,"hum":91}	json	a minute ago
Data	{"Distance":84.95,"ALERT!!":"Distance less than ...	json	2 minutes ago
Data	{"Distance":84.95,"ALERT!!":"Distance less than ...	json	2 minutes ago
eventbatch11	{"randomNumber":27,"temp":28,"hum":84}	json	2 minutes ago

1 Simulation running

Output:-

```
*Python 3.7.0 Shell*
File Edit Shell Debug Options Window Help
Published Temperature = 20 C Humidity = 72 % to IBM Watson
Published Temperature = 61 C Humidity = 76 % to IBM Watson
Published Temperature = 60 C Humidity = 28 % to IBM Watson
Published Temperature = 89 C Humidity = 82 % to IBM Watson
Published Temperature = 98 C Humidity = 9 % to IBM Watson
Published Temperature = 55 C Humidity = 8 % to IBM Watson
Published Temperature = 2 C Humidity = 24 % to IBM Watson
Published Temperature = 37 C Humidity = 3 % to IBM Watson
Published Temperature = 19 C Humidity = 52 % to IBM Watson
Published Temperature = 36 C Humidity = 41 % to IBM Watson
Published Temperature = 70 C Humidity = 42 % to IBM Watson
Published Temperature = 55 C Humidity = 99 % to IBM Watson
Published Temperature = 48 C Humidity = 27 % to IBM Watson
Published Temperature = 25 C Humidity = 89 % to IBM Watson
Published Temperature = 35 C Humidity = 41 % to IBM Watson
Published Temperature = 89 C Humidity = 9 % to IBM Watson
Published Temperature = 74 C Humidity = 87 % to IBM Watson
Published Temperature = 45 C Humidity = 55 % to IBM Watson
Published Temperature = 10 C Humidity = 55 % to IBM Watson
Published Temperature = 4 C Humidity = 36 % to IBM Watson
Published Temperature = 51 C Humidity = 46 % to IBM Watson
Published Temperature = 24 C Humidity = 33 % to IBM Watson
Published Temperature = 87 C Humidity = 45 % to IBM Watson
Published Temperature = 39 C Humidity = 39 % to IBM Watson
Published Temperature = 93 C Humidity = 91 % to IBM Watson
Published Temperature = 34 C Humidity = 29 % to IBM Watson
Published Temperature = 73 C Humidity = 11 % to IBM Watson
Published Temperature = 32 C Humidity = 84 % to IBM Watson
Published Temperature = 65 C Humidity = 96 % to IBM Watson
Published Temperature = 63 C Humidity = 76 % to IBM Watson
Published Temperature = 86 C Humidity = 89 % to IBM Watson
```

```
*Python 3.7.0 Shell*
File Edit Shell Debug Options Window Help
Published Temperature = 74 C Humidity = 42 % to IBM Watson
Published Temperature = 77 C Humidity = 29 % to IBM Watson
Published Temperature = 61 C Humidity = 34 % to IBM Watson
Published Temperature = 72 C Humidity = 23 % to IBM Watson
Published Temperature = 45 C Humidity = 2 % to IBM Watson
Published Temperature = 23 C Humidity = 23 % to IBM Watson
Published Temperature = 50 C Humidity = 4 % to IBM Watson
Published Temperature = 97 C Humidity = 73 % to IBM Watson
Published Temperature = 91 C Humidity = 4 % to IBM Watson
Published Temperature = 17 C Humidity = 78 % to IBM Watson
Published Temperature = 63 C Humidity = 72 % to IBM Watson
Published Temperature = 70 C Humidity = 9 % to IBM Watson
Published Temperature = 1 C Humidity = 98 % to IBM Watson
Published Temperature = 52 C Humidity = 63 % to IBM Watson
Published Temperature = 65 C Humidity = 27 % to IBM Watson
Published Temperature = 78 C Humidity = 84 % to IBM Watson
Published Temperature = 78 C Humidity = 20 % to IBM Watson
Published Temperature = 90 C Humidity = 74 % to IBM Watson
Published Temperature = 68 C Humidity = 23 % to IBM Watson
Published Temperature = 84 C Humidity = 21 % to IBM Watson
Published Temperature = 90 C Humidity = 83 % to IBM Watson
Published Temperature = 23 C Humidity = 43 % to IBM Watson
Published Temperature = 32 C Humidity = 3 % to IBM Watson
Published Temperature = 97 C Humidity = 51 % to IBM Watson
Published Temperature = 82 C Humidity = 14 % to IBM Watson
Published Temperature = 92 C Humidity = 88 % to IBM Watson
Published Temperature = 98 C Humidity = 31 % to IBM Watson
Published Temperature = 85 C Humidity = 79 % to IBM Watson
Published Temperature = 9 C Humidity = 7 % to IBM Watson
Published Temperature = 9 C Humidity = 45 % to IBM Watson
Published Temperature = 92 C Humidity = 62 % to IBM Watson
Published Temperature = 85 C
```

