

## On deploying the code – To publish the values :

```
D:\sem7\New folder>python data.py
2022-11-19 12:51:50,886 ibmiotf.device.Client INFO Connected successfully: d:0zi0vb:gas:11111
Published Temperature = 36 C Humidity = 50 % Gas_Level =40 % to IBM Watson
Published Temperature = 22 C Humidity = 54 % Gas_Level =48 % to IBM Watson
Published Temperature = 0 C Humidity = 92 % Gas_Level =25 % to IBM Watson
Published Temperature = 38 C Humidity = 99 % Gas_Level =17 % to IBM Watson
Published Temperature = 64 C Humidity = 15 % Gas_Level =63 % to IBM Watson
Published Temperature = 76 C Humidity = 61 % Gas_Level =92 % to IBM Watson
Published Temperature = 14 C Humidity = 18 % Gas_Level =3 % to IBM Watson
Published Temperature = 44 C Humidity = 78 % Gas_Level =28 % to IBM Watson
Published Temperature = 31 C Humidity = 60 % Gas_Level =10 % to IBM Watson
Published Temperature = 87 C Humidity = 97 % Gas_Level =98 % to IBM Watson
Published Temperature = 69 C Humidity = 98 % Gas_Level =49 % to IBM Watson
Published Temperature = 67 C Humidity = 88 % Gas_Level =11 % to IBM Watson
Published Temperature = 60 C Humidity = 79 % Gas_Level =69 % to IBM Watson
Published Temperature = 75 C Humidity = 57 % Gas_Level =99 % to IBM Watson
Published Temperature = 68 C Humidity = 53 % Gas_Level =79 % to IBM Watson
Published Temperature = 11 C Humidity = 7 % Gas_Level =74 % to IBM Watson
Published Temperature = 40 C Humidity = 67 % Gas_Level =53 % to IBM Watson
Published Temperature = 86 C Humidity = 73 % Gas_Level =100 % to IBM Watson
Published Temperature = 61 C Humidity = 55 % Gas_Level =75 % to IBM Watson
Published Temperature = 63 C Humidity = 43 % Gas_Level =54 % to IBM Watson
Published Temperature = 51 C Humidity = 5 % Gas_Level =88 % to IBM Watson
Published Temperature = 10 C Humidity = 83 % Gas_Level =59 % to IBM Watson
Published Temperature = 85 C Humidity = 64 % Gas_Level =50 % to IBM Watson
Published Temperature = 58 C Humidity = 29 % Gas_Level =21 % to IBM Watson
Published Temperature = 70 C Humidity = 38 % Gas_Level =43 % to IBM Watson
Published Temperature = 74 C Humidity = 1 % Gas_Level =89 % to IBM Watson
```

## Device – gas is connected:

The screenshot shows the IBM Watson IoT Platform dashboard. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area displays a table of devices. The first device, 'gas', is in a 'Connected' state. The second device, 'gas12345', is in a 'Disconnected' state. The table has columns for 'Device ID', 'Status', 'Device Type', 'Class ID', 'Date Added', and 'Descriptive Location'. At the bottom, it indicates '1 Simulation running'.

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
11111	Connected	gas	Device	Nov 19, 2022 12:50 PM	
12345	Disconnected	gas12345	Device	Nov 18, 2022 11:11 PM	

## Values are publish to IOT WATSON Device:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains various icons for navigation. The main content area shows a device named '11111' with a status of 'Connected' and a type of 'gas'. The 'Recent Events' tab is selected, showing a table of data points. The table has four columns: 'Event', 'Value', 'Format', and 'Last Received'. The data points are from an 'IoTSensor' and represent temperature, humidity, and gas levels. At the bottom right, it indicates '1 Simulation running'.

IBM Watson IoT Platform

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Browse Action Device Types Interfaces

Add Device

11111 Connected gas Device Nov 19, 2022 12:50 PM

Identity Device Information Recent Events State Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
IoTSensor	{"temp":28,"Humid":40,"gas":29}	json	a few seconds ago
IoTSensor	{"temp":9,"Humid":93,"gas":31}	json	a few seconds ago
IoTSensor	{"temp":21,"Humid":30,"gas":68}	json	a few seconds ago
IoTSensor	{"temp":95,"Humid":39,"gas":18}	json	a few seconds ago
IoTSensor	{"temp":60,"Humid":33,"gas":19}	json	a few seconds ago

1 Simulation running