

Date	16 OCTOBER 2022
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Team Members	SURESH S MATHAN KUMAR T SASI KUMAR K
Project Name	REAL TIME RIVER WATER QUALITY MONITERING AND CONTROL SYSTEM

The screenshot shows a Windows desktop environment. On the left, a Command Prompt window titled "Command Prompt - iot1.py" displays the following output:

```

Microsoft Windows [Version 6.3.9600]
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C:\Users\Krishna>python iot1.py
Traceback (most recent call last):
  File "C:\Users\Krishna\iot1.py", line 1, in <module>
    import iot
ModuleNotFoundError: No module named 'iot'

C:\Users\Krishna>python iot1.py
2022-11-20 08:20:50.956 - iottp.sdk.device.client.DeviceClient INFO Connect
4 successfully: dtt-rtyrindovetel:123456
Published data Successfully: %s <temperature: 119, humidity: 59>
Published data Successfully: %s <temperature: 1, humidity: 99>
Published data Successfully: %s <temperature: 39, humidity: 32>
Published data Successfully: %s <temperature: 102, humidity: 30>
Published data Successfully: %s <temperature: 109, humidity: 36>
Published data Successfully: %s <temperature: 77, humidity: 43>
Published data Successfully: %s <temperature: 65, humidity: 74>
Published data Successfully: %s <temperature: 87, humidity: 97>
Published data Successfully: %s <temperature: 44, humidity: 10>
Published data Successfully: %s <temperature: 97, humidity: 34>
Published data Successfully: %s <temperature: 2, humidity: 54>

```

On the right, a Sublime Text (UNREGISTERED) window shows the source code of the 'iot1.py' script:

```

Platform: %s" % cmd.data['command'])

onfig=myConfig, LogHandLers=None)

y':hum}
, msgFormat="json", data=myData, qos=0, o
%s", myData)
llback

```

IBM Watson IoT Platform

822719104054@smartinternz.com  
ID: tr4ty

Browse Action Device Types Interfaces

Add Device

ID	Status	Type	Device	Last Seen
12345	Disconnected	testDeviceType	Device	Oct 22, 2022 7:47 PM
123456	Disconnected	mydevice1	Device	Nov 19, 2022 9:30 PM

Identity Device Information Recent Events State Logs

Showing Raw Data | No Interfaces Available

Property	Value	Type	Event	Last Received
temperature	12	Number	status	a few seconds ago
humidity	26	Number	status	a few seconds ago

Items per page 50 | 1-2 of 2 items

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1 Simulation running

Node-RED

Flow 1

input

output

hello world

msg payload

IBM IoT

connected

debug

```
{ "temperature": 53, "humidity": 52 }
11/20/2022, 10:23:49 AM node: 954728b566acb8b2
iot-2/type/mydevice1/id/123456/ev/status/fmt/json :
msg.payload : Object
{ "temperature": 82, "humidity": 4 }
11/20/2022, 10:23:51 AM node: 954728b566acb8b2
iot-2/type/mydevice1/id/123456/ev/status/fmt/json :
msg.payload : Object
{ "temperature": 110, "humidity": 40 }
11/20/2022, 10:23:53 AM node: 954728b566acb8b2
iot-2/type/mydevice1/id/123456/ev/status/fmt/json :
msg.payload : Object
{ "temperature": -4, "humidity": 85 }
11/20/2022, 10:23:55 AM node: 954728b566acb8b2
iot-2/type/mydevice1/id/123456/ev/status/fmt/json :
msg.payload : Object
{ "temperature": -11, "humidity": 39 }
11/20/2022, 10:23:57 AM node: 954728b566acb8b2
iot-2/type/mydevice1/id/123456/ev/status/fmt/json :
msg.payload : Object
{ "temperature": 6, "humidity": 90 }
```



