

## Publish Data To The IBM Cloud

Team Id	PNT2022TMID19022
Maximum Marks	4 Marks

The screenshot shows a VS Code editor with a Python script named `main.py` in the `pythonProject3` workspace. The script uses the `wiot.sdk.device` module to connect to the IBM IoT Platform and publish data. The `config` dictionary contains the following information:

```

config = {
    "identity": {
        "orgId": "ay8bvr",
        "typeId": "NodeMCU",
        "deviceId": "122333",
    },
    "auth": {
        "token": "TgY!H0jV0SjwojwJ1k"
    }
}

```

The `myCommandCallback` function is defined to handle incoming commands. The main loop generates random temperature and humidity data and publishes it to the platform. The terminal window shows the output of the script, displaying 20 successful data publications with varying temperature and humidity values.

```

Published data Successfully: %s {'temperature': 68, 'humidity': 100}
Published data Successfully: %s {'temperature': 77, 'humidity': 62}
Published data Successfully: %s {'temperature': 31, 'humidity': 1}
Published data Successfully: %s {'temperature': 27, 'humidity': 73}
Published data Successfully: %s {'temperature': 105, 'humidity': 82}
Published data Successfully: %s {'temperature': 70, 'humidity': 43}
Published data Successfully: %s {'temperature': -19, 'humidity': 84}
Published data Successfully: %s {'temperature': 89, 'humidity': 79}
Published data Successfully: %s {'temperature': 122, 'humidity': 7}
Published data Successfully: %s {'temperature': 68, 'humidity': 98}
Published data Successfully: %s {'temperature': -11, 'humidity': 99}
Published data Successfully: %s {'temperature': 9, 'humidity': 97}
Published data Successfully: %s {'temperature': 62, 'humidity': 29}
Published data Successfully: %s {'temperature': 72, 'humidity': 36}
Published data Successfully: %s {'temperature': 98, 'humidity': 58}
Published data Successfully: %s {'temperature': 109, 'humidity': 6}
Published data Successfully: %s {'temperature': 79, 'humidity': 90}
Published data Successfully: %s {'temperature': 15, 'humidity': 59}
Published data Successfully: %s {'temperature': 102, 'humidity': 74}
Published data Successfully: %s {'temperature': 95, 'humidity': 77}
Published data Successfully: %s {'temperature': 36, 'humidity': 37}
Published data Successfully: %s {'temperature': 2, 'humidity': 62}
Published data Successfully: %s {'temperature': 3, 'humidity': 35}
Published data Successfully: %s {'temperature': 71, 'humidity': 94}
Published data Successfully: %s {'temperature': 125, 'humidity': 30}
Published data Successfully: %s {'temperature': -6, 'humidity': 6}

```

