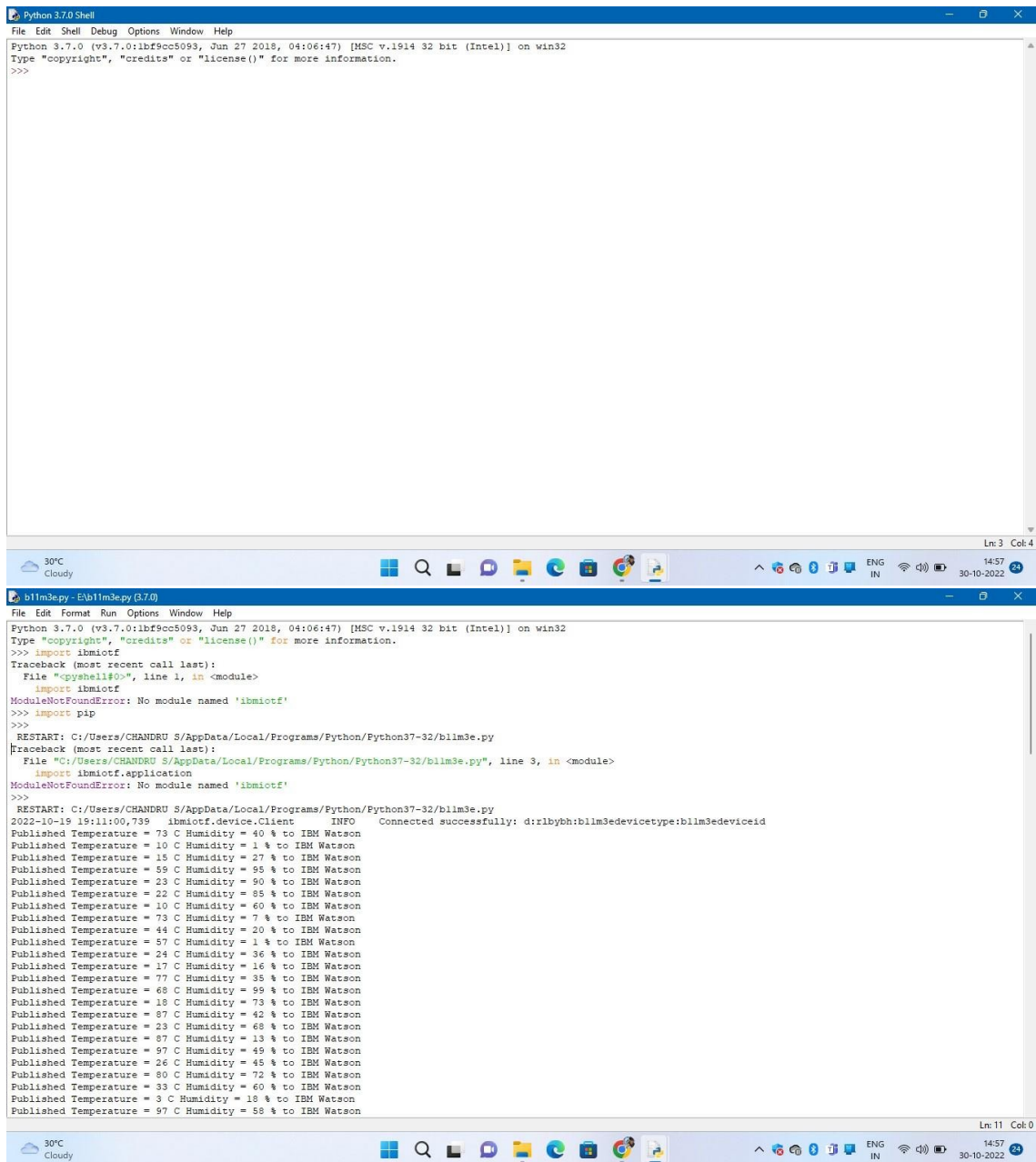


Software Python IDLE 3.7.0 – RAHUL RAJ K



The screenshot displays two windows of the Python IDLE 3.7.0 environment. The top window, titled 'Python 3.7.0 Shell', shows the initial prompt and a successful connection to an IBM Watson IoT device. The bottom window, titled 'blm3epy - E:\blm3epy\3.7.0', shows the execution of a script that retrieves and displays a list of published temperature and humidity data from the device.

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf325093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
```

The bottom window shows the execution of a script named 'blm3epy.py'. The script imports the 'ibmiotf' module and uses the 'ibmiotf.device.Client' class to connect to an IBM Watson IoT device. The connection is successful, and the script retrieves a list of published temperature and humidity data from the device. The output shows 20 data points, each consisting of a timestamp, temperature, humidity, and device ID.

```
blm3epy - E:\blm3epy\3.7.0
File Edit Format Run Options Window Help
Python 3.7.0 (v3.7.0:1bf325093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>> import ibmiotf
Traceback (most recent call last):
  File "<pyshell#0>", line 1, in <module>
    import ibmiotf
ModuleNotFoundError: No module named 'ibmiotf'
>>> import pip
>>>
RESTART: C:/Users/CHANDRU S/AppData/Local/Programs/Python/Python37-32/blm3e.py
Traceback (most recent call last):
  File "C:/Users/CHANDRU S/AppData/Local/Programs/Python/Python37-32/blm3e.py", line 3, in <module>
    import ibmiotf.application
ModuleNotFoundError: No module named 'ibmiotf'
>>>
RESTART: C:/Users/CHANDRU S/AppData/Local/Programs/Python/Python37-32/blm3e.py
2022-10-19 19:11:00,739 ibmiotf.device.Client INFO Connected successfully: d:r1bybh:blm3edevicetype:blm3edevicid
Published Temperature = 73 C Humidity = 40 % to IBM Watson
Published Temperature = 10 C Humidity = 1 % to IBM Watson
Published Temperature = 19 C Humidity = 27 % to IBM Watson
Published Temperature = 59 C Humidity = 95 % to IBM Watson
Published Temperature = 23 C Humidity = 90 % to IBM Watson
Published Temperature = 22 C Humidity = 85 % to IBM Watson
Published Temperature = 10 C Humidity = 60 % to IBM Watson
Published Temperature = 73 C Humidity = 7 % to IBM Watson
Published Temperature = 44 C Humidity = 20 % to IBM Watson
Published Temperature = 57 C Humidity = 1 % to IBM Watson
Published Temperature = 24 C Humidity = 36 % to IBM Watson
Published Temperature = 17 C Humidity = 16 % to IBM Watson
Published Temperature = 77 C Humidity = 35 % to IBM Watson
Published Temperature = 68 C Humidity = 99 % to IBM Watson
Published Temperature = 18 C Humidity = 73 % to IBM Watson
Published Temperature = 87 C Humidity = 42 % to IBM Watson
Published Temperature = 23 C Humidity = 68 % to IBM Watson
Published Temperature = 87 C Humidity = 13 % to IBM Watson
Published Temperature = 97 C Humidity = 49 % to IBM Watson
Published Temperature = 26 C Humidity = 45 % to IBM Watson
Published Temperature = 80 C Humidity = 72 % to IBM Watson
Published Temperature = 33 C Humidity = 60 % to IBM Watson
Published Temperature = 3 C Humidity = 18 % to IBM Watson
Published Temperature = 97 C Humidity = 58 % to IBM Watson
```