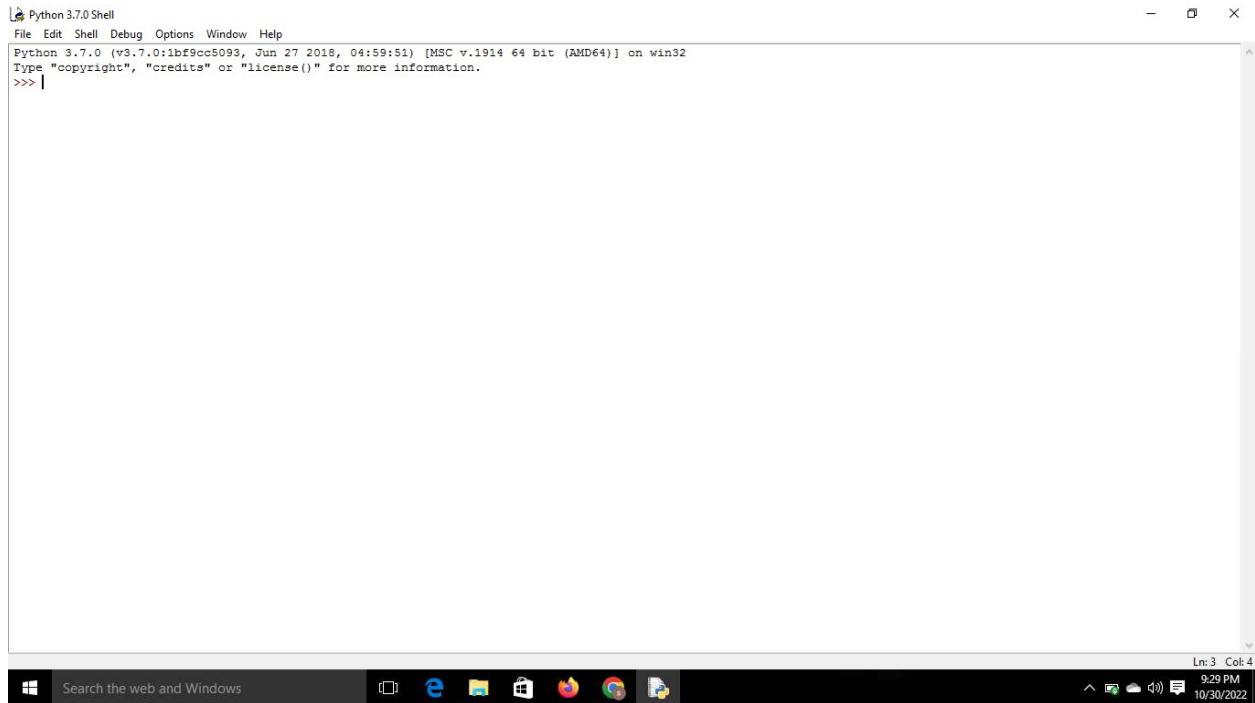


Software



sangee.py - C:\Users\LENOVO\AppData\Local\Programs\Python\Python37\sangee.py (3.7.0)

File Edit Format Run Options Window Help

```
        else :
            print ("led is off")

        #print(cmd)

try:
    deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method": authMethod, "auth-token": authToken}
    deviceCli = ibmiotf.device.Client(deviceOptions)
    #.....

except Exception as e:
    print("Caught exception connecting device: %s" % str(e))
    sys.exit()

# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type "greeting" 10 times
deviceCli.connect()

while True:
    #Get Sensor Data from DHT11

    temp=random.randint(0,100)
    Humid=random.randint(0,100)

    data = { 'Temperature' : temp, 'Humidity': Humid }
    #print data
    def myOnPublishCallback():
        print ("Published Temperature = %s C" % temp, "Humidity = %s %% " % Humid, "to IBM Watson")

    success = deviceCli.publishEvent("IoTSensor", "json", data, qos=0, on_publish=myOnPublishCallback)
    if not success:
        print("Not connected to IoT")
        time.sleep(1)

    deviceCli.commandCallback = myCommandCallback

# Disconnect the device and application from the cloud
deviceCli.disconnect()
```

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C:\Windows\py.exe

```
Published Temperature = 25 C Humidity = 25 % to IBM Watson
Published Temperature = 5 C Humidity = 64 % to IBM Watson
Published Temperature = 68 C Humidity = 6 % to IBM Watson
Published Temperature = 85 C Humidity = 100 % to IBM Watson
Published Temperature = 20 C Humidity = 57 % to IBM Watson
Published Temperature = 16 C Humidity = 40 % to IBM Watson
Published Temperature = 2 C Humidity = 23 % to IBM Watson
Published Temperature = 89 C Humidity = 68 % to IBM Watson
Published Temperature = 43 C Humidity = 45 % to IBM Watson
Published Temperature = 100 C Humidity = 80 % to IBM Watson
Published Temperature = 97 C Humidity = 66 % to IBM Watson
Published Temperature = 1 C Humidity = 51 % to IBM Watson
Published Temperature = 42 C Humidity = 49 % to IBM Watson
Published Temperature = 7 C Humidity = 49 % to IBM Watson
Published Temperature = 100 C Humidity = 7 % to IBM Watson
Published Temperature = 41 C Humidity = 80 % to IBM Watson
Published Temperature = 67 C Humidity = 67 % to IBM Watson
Published Temperature = 48 C Humidity = 53 % to IBM Watson
Published Temperature = 56 C Humidity = 35 % to IBM Watson
Published Temperature = 37 C Humidity = 10 % to IBM Watson
Published Temperature = 86 C Humidity = 57 % to IBM Watson
Published Temperature = 58 C Humidity = 16 % to IBM Watson
Published Temperature = 23 C Humidity = 93 % to IBM Watson
Published Temperature = 98 C Humidity = 1 % to IBM Watson
Published Temperature = 50 C Humidity = 55 % to IBM Watson
Published Temperature = 92 C Humidity = 38 % to IBM Watson
Published Temperature = 54 C Humidity = 83 % to IBM Watson
Published Temperature = 9 C Humidity = 7 % to IBM Watson
Published Temperature = 43 C Humidity = 8 % to IBM Watson
Published Temperature = 72 C Humidity = 56 % to IBM Watson
Published Temperature = 12 C Humidity = 13 % to IBM Watson
Published Temperature = 38 C Humidity = 20 % to IBM Watson
Published Temperature = 30 C Humidity = 24 % to IBM Watson
Published Temperature = 17 C Humidity = 5 % to IBM Watson
Published Temperature = 85 C Humidity = 4 % to IBM Watson
Published Temperature = 28 C Humidity = 82 % to IBM Watson
Published Temperature = 23 C Humidity = 7 % to IBM Watson
```

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