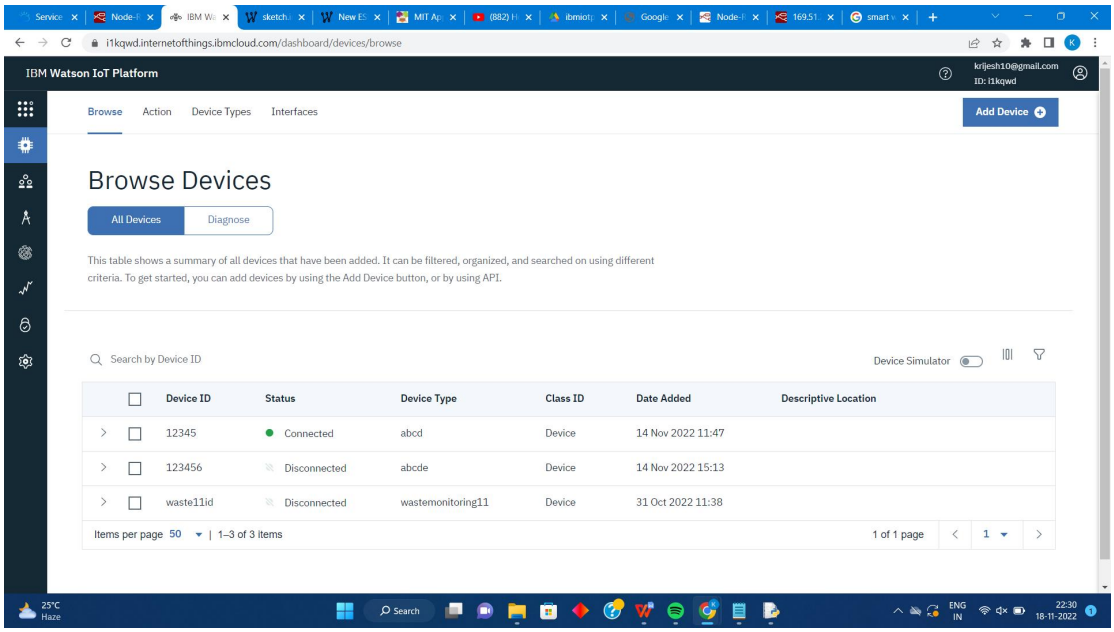
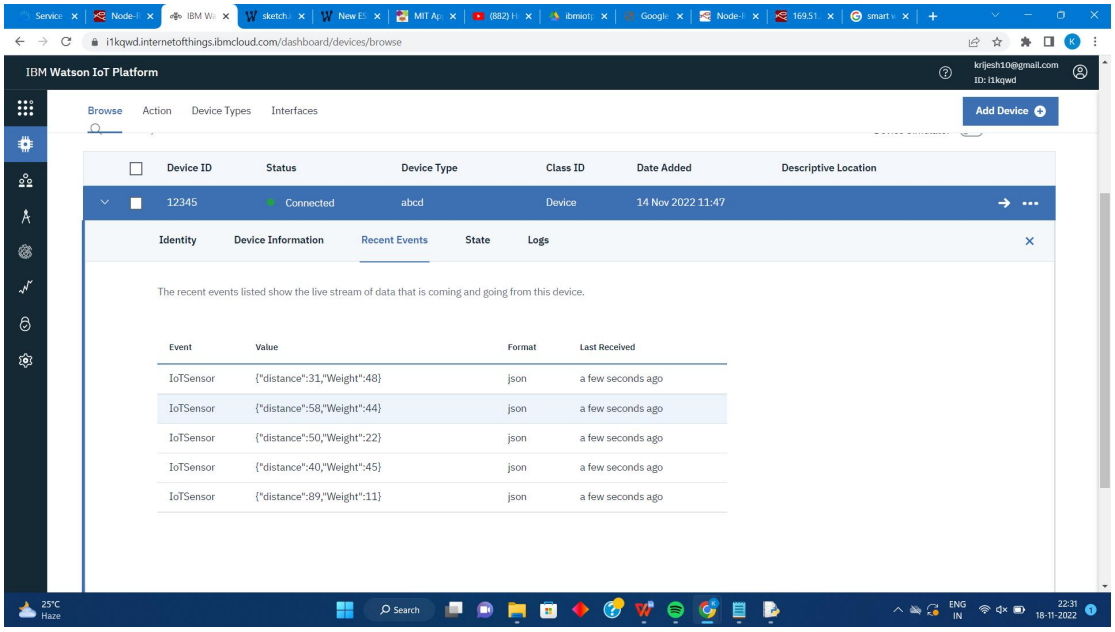
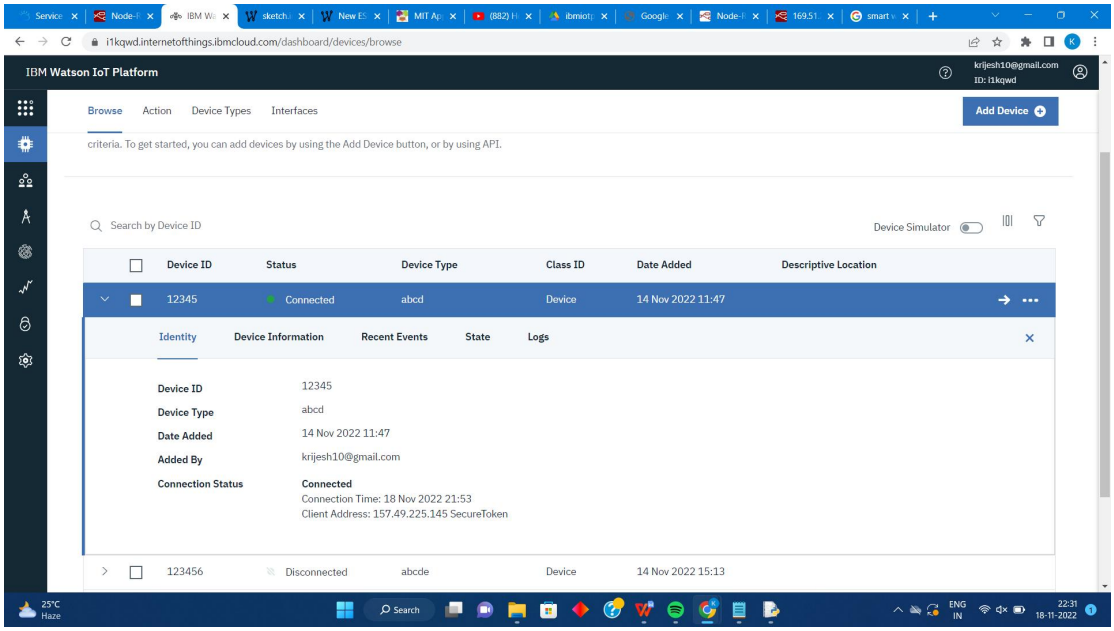
# SPRINT-2

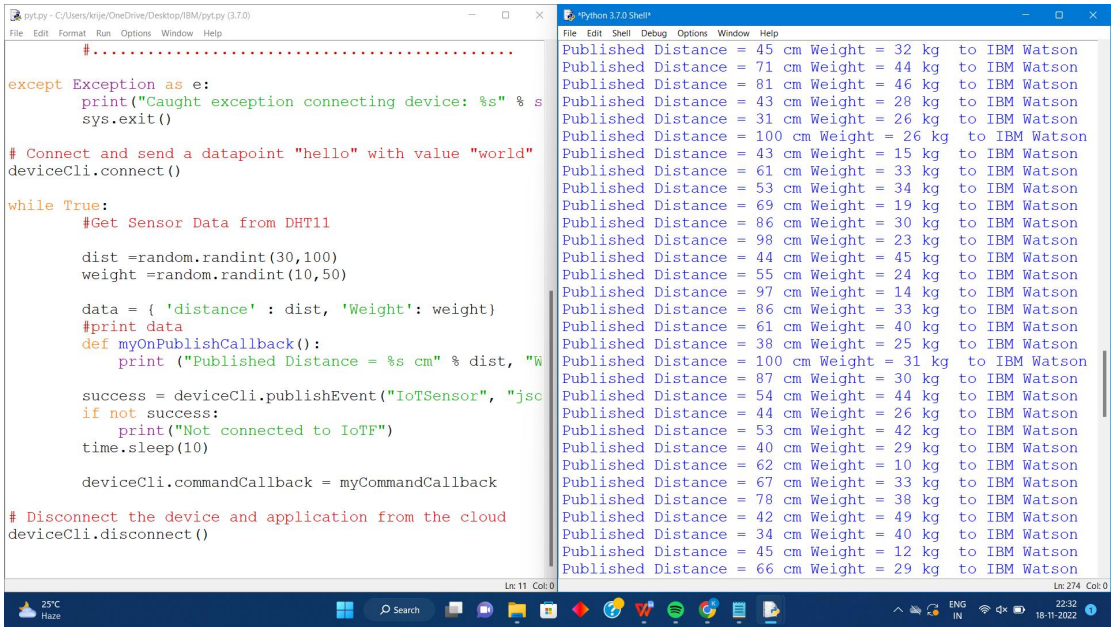
| | |
|---|---|
| Date | 18-11-2022 |
| Team id | PNT2022TMID48397 |
| Project Name | Smart Waste Management for Metropolitan Cities |

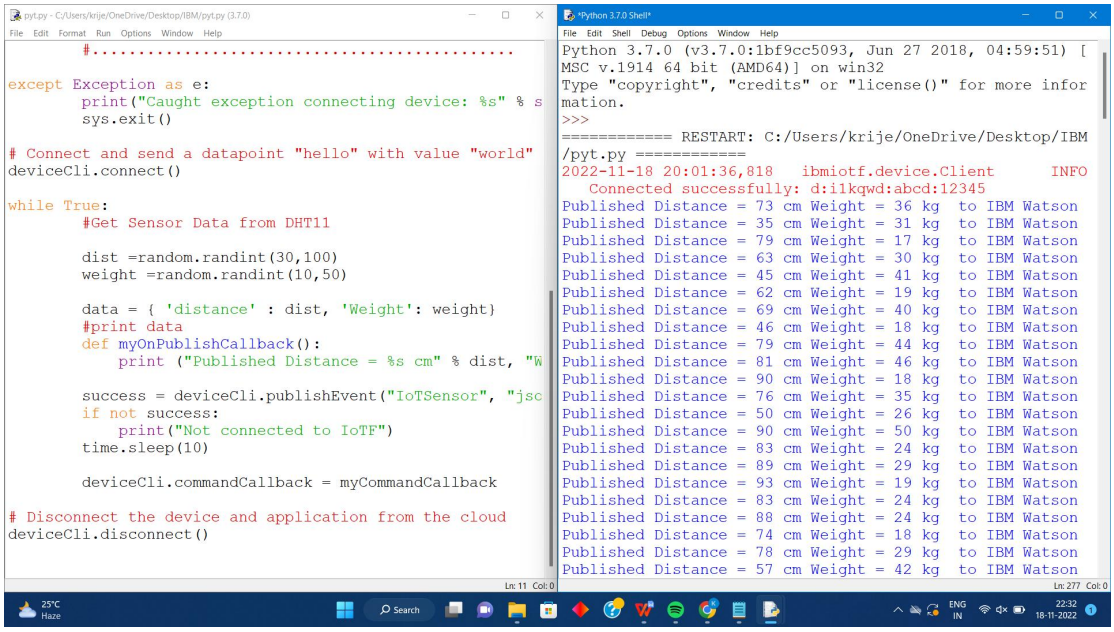
## Connecting to IOT Watson :




i1kqwd.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
krijesh10@gmail.com
ID: i1kqwd
Browse
Action
Device Types
Interfaces
Add Device
Device ID
Status
Device Type
Class ID
Date Added
Descriptive Location
12345
Connected
abcd
Device
14 Nov 2022 11:47
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
{"distance":31,"Weight":48}
json
a few seconds ago
IoTSensor
{"distance":58,"Weight":44}
json
a few seconds ago
IoTSensor
{"distance":50,"Weight":22}
json
a few seconds ago
IoTSensor
{"distance":40,"Weight":45}
json
a few seconds ago
IoTSensor
{"distance":89,"Weight":11}
json
a few seconds ago
25°C
Haze
Search
ENG
IN
22:31
18-11-2022


i1kqwd.internetofthings.ibmcloud.com/dashboard/devices/browse
IBM Watson IoT Platform
krijesh10@gmail.com
ID: i1kqwd
Browse
Action
Device Types
Interfaces
Add Device
criteria. To get started, you can add devices by using the Add Device button, or by using API.
Search by Device ID
Device Simulator
Device ID
Status
Device Type
Class ID
Date Added
Descriptive Location
12345
Connected
abcd
Device
14 Nov 2022 11:47
Identity
Device Information
Recent Events
State
Logs
Device ID
12345
Device Type
abcd
Date Added
14 Nov 2022 11:47
Added By
krijesh10@gmail.com
Connection Status
Connected
Connection Time: 18 Nov 2022 21:53
Client Address: 157.49.225.145 SecureToken
123456
Disconnected
abcde
Device
14 Nov 2022 15:13


pyt.py - C:/Users/krije/OneDrive/Desktop/IBM/pyt.py (3.7.0)
File Edit Format Run Options Window Help
#.....
except Exception as e:
print("Caught exception connecting device: %s" % s
sys.exit()
# Connect and send a datapoint "hello" with value "world"
deviceCli.connect()
while True:
#Get Sensor Data from DHT11
dist =random.randint(30,100)
weight =random.randint(10,50)
data = { 'distance' : dist, 'Weight': weight}
#print data
def myOnPublishCallback():
print ("Published Distance = %s cm" % dist, "W
success = deviceCli.publishEvent("IoTSensor", "jso
if not success:
print("Not connected to IoTF")
time.sleep(10)
deviceCli.commandCallback = myCommandCallback
# Disconnect the device and application from the cloud
deviceCli.disconnect()
Ln: 11 Col: 0
*Python 3.7.0 Shell*
File Edit Shell Debug Options Window Help
Published Distance = 45 cm Weight = 32 kg to IBM Watson
Published Distance = 71 cm Weight = 44 kg to IBM Watson
Published Distance = 81 cm Weight = 46 kg to IBM Watson
Published Distance = 43 cm Weight = 28 kg to IBM Watson
Published Distance = 31 cm Weight = 26 kg to IBM Watson
Published Distance = 100 cm Weight = 26 kg to IBM Watson
Published Distance = 43 cm Weight = 15 kg to IBM Watson
Published Distance = 61 cm Weight = 33 kg to IBM Watson
Published Distance = 53 cm Weight = 34 kg to IBM Watson
Published Distance = 69 cm Weight = 19 kg to IBM Watson
Published Distance = 86 cm Weight = 30 kg to IBM Watson
Published Distance = 98 cm Weight = 23 kg to IBM Watson
Published Distance = 44 cm Weight = 45 kg to IBM Watson
Published Distance = 55 cm Weight = 24 kg to IBM Watson
Published Distance = 97 cm Weight = 14 kg to IBM Watson
Published Distance = 86 cm Weight = 33 kg to IBM Watson
Published Distance = 61 cm Weight = 40 kg to IBM Watson
Published Distance = 38 cm Weight = 25 kg to IBM Watson
Published Distance = 100 cm Weight = 31 kg to IBM Watson
Published Distance = 87 cm Weight = 30 kg to IBM Watson
Published Distance = 54 cm Weight = 44 kg to IBM Watson
Published Distance = 44 cm Weight = 26 kg to IBM Watson
Published Distance = 53 cm Weight = 42 kg to IBM Watson
Published Distance = 40 cm Weight = 29 kg to IBM Watson
Published Distance = 62 cm Weight = 10 kg to IBM Watson
Published Distance = 67 cm Weight = 33 kg to IBM Watson
Published Distance = 78 cm Weight = 38 kg to IBM Watson
Published Distance = 42 cm Weight = 49 kg to IBM Watson
Published Distance = 34 cm Weight = 40 kg to IBM Watson
Published Distance = 45 cm Weight = 12 kg to IBM Watson
Published Distance = 66 cm Weight = 29 kg to IBM Watson
Ln: 274 Col: 0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File Edit Format Run Options Window Help
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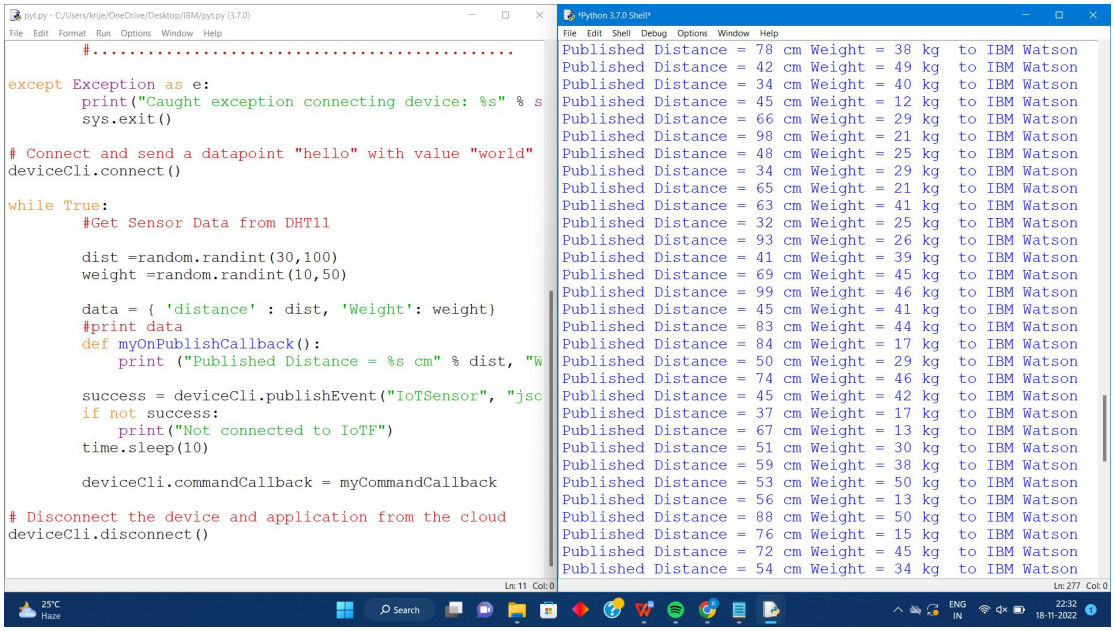
weight =random.randint(10,50)
data = { 'distance' : dist, 'Weight': weight}
#print data
def myOnPublishCallback():
print ("Published Distance = %s cm" % dist, "W
success = deviceCli.publishEvent("IoTSensor", "jsc
if not success:
print("Not connected to IoTF")
time.sleep(10)
deviceCli.commandCallback = myCommandCallback
# Disconnect the device and application from the cloud
deviceCli.disconnect()
Ln: 11 Col: 0
*Python 3.7.0 Shell*
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [
MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more infor
mation.
>>>
========== RESTART: C:/Users/krije/OneDrive/Desktop/IBM
/pyt.py ==========
2022-11-18 20:01:36,818 ibmiotf.device.Client INFO
Connected successfully: d:i1kqwd:abcd:12345
Published Distance = 73 cm Weight = 36 kg to IBM Watson
Published Distance = 35 cm Weight = 31 kg to IBM Watson
Published Distance = 79 cm Weight = 17 kg to IBM Watson
Published Distance = 63 cm Weight = 30 kg to IBM Watson
Published Distance = 45 cm Weight = 41 kg to IBM Watson
Published Distance = 62 cm Weight = 19 kg to IBM Watson
Published Distance = 69 cm Weight = 40 kg to IBM Watson
Published Distance = 46 cm Weight = 18 kg to IBM Watson
Published Distance = 79 cm Weight = 44 kg to IBM Watson
Published Distance = 81 cm Weight = 46 kg to IBM Watson
Published Distance = 90 cm Weight = 18 kg to IBM Watson
Published Distance = 76 cm Weight = 35 kg to IBM Watson
Published Distance = 50 cm Weight = 26 kg to IBM Watson
Published Distance = 90 cm Weight = 50 kg to IBM Watson
Published Distance = 83 cm Weight = 24 kg to IBM Watson
Published Distance = 89 cm Weight = 29 kg to IBM Watson
Published Distance = 93 cm Weight = 19 kg to IBM Watson
Published Distance = 83 cm Weight = 24 kg to IBM Watson
Published Distance = 88 cm Weight = 24 kg to IBM Watson
Published Distance = 74 cm Weight = 18 kg to IBM Watson
Published Distance = 78 cm Weight = 29 kg to IBM Watson
Published Distance = 57 cm Weight = 42 kg to IBM Watson
Ln: 277 Col: 0
25°C Haze
Search
ENG IN
22:32 18-11-2022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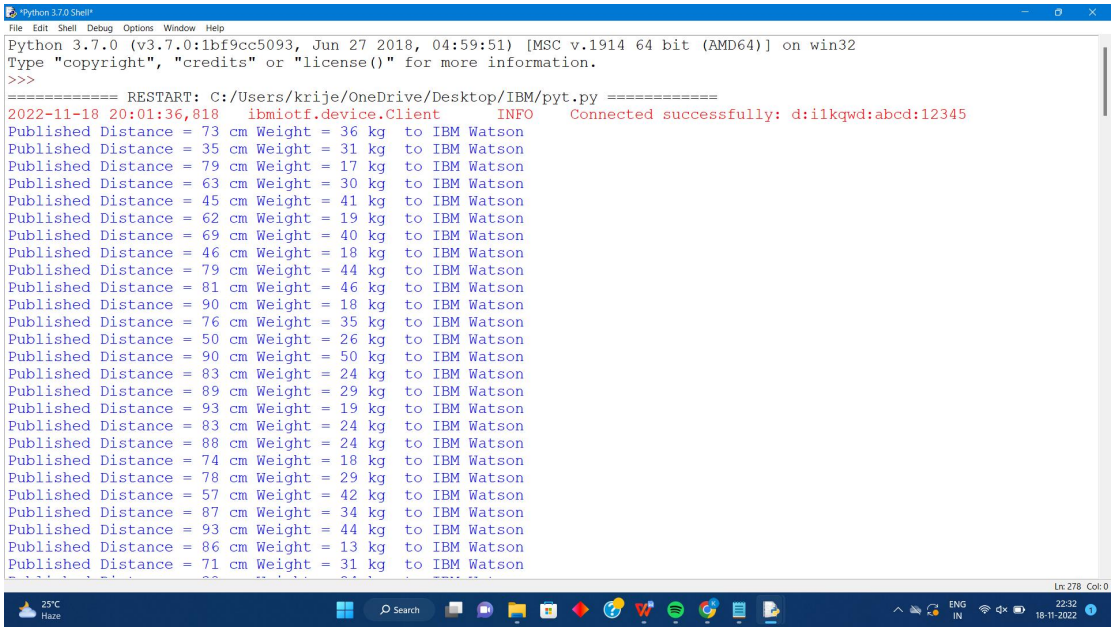
#print data
def myOnPublishCallback():
print ("Published Distance = %s cm" % dist, "W
success = deviceCli.publishEvent("IoTSensor", "jsc
if not success:
print("Not connected to IoTF")
time.sleep(10)
deviceCli.commandCallback = myCommandCallback
# Disconnect the device and application from the cloud
deviceCli.disconnect()
Ln: 11 Col: 0
*Python 3.7.0 Shell*
File Edit Shell Debug Options Window Help
Published Distance = 78 cm Weight = 38 kg to IBM Watson
Published Distance = 42 cm Weight = 49 kg to IBM Watson
Published Distance = 34 cm Weight = 40 kg to IBM Watson
Published Distance = 45 cm Weight = 12 kg to IBM Watson
Published Distance = 66 cm Weight = 29 kg to IBM Watson
Published Distance = 98 cm Weight = 21 kg to IBM Watson
Published Distance = 48 cm Weight = 25 kg to IBM Watson
Published Distance = 34 cm Weight = 29 kg to IBM Watson
Published Distance = 65 cm Weight = 21 kg to IBM Watson
Published Distance = 63 cm Weight = 41 kg to IBM Watson
Published Distance = 32 cm Weight = 25 kg to IBM Watson
Published Distance = 93 cm Weight = 26 kg to IBM Watson
Published Distance = 41 cm Weight = 39 kg to IBM Watson
Published Distance = 69 cm Weight = 45 kg to IBM Watson
Published Distance = 99 cm Weight = 46 kg to IBM Watson
Published Distance = 45 cm Weight = 41 kg to IBM Watson
Published Distance = 83 cm Weight = 44 kg to IBM Watson
Published Distance = 84 cm Weight = 17 kg to IBM Watson
Published Distance = 50 cm Weight = 29 kg to IBM Watson
Published Distance = 74 cm Weight = 46 kg to IBM Watson
Published Distance = 45 cm Weight = 42 kg to IBM Watson
Published Distance = 37 cm Weight = 17 kg to IBM Watson
Published Distance = 67 cm Weight = 13 kg to IBM Watson
Published Distance = 51 cm Weight = 30 kg to IBM Watson
Published Distance = 59 cm Weight = 38 kg to IBM Watson
Published Distance = 53 cm Weight = 50 kg to IBM Watson
Published Distance = 56 cm Weight = 13 kg to IBM Watson
Published Distance = 88 cm Weight = 50 kg to IBM Watson
Published Distance = 76 cm Weight = 15 kg to IBM Watson
Published Distance = 72 cm Weight = 45 kg to IBM Watson
Published Distance = 54 cm Weight = 34 kg to IBM Watson
Ln: 277 Col: 0
25°C Haze
Search
ENG IN
22:32 18-11-2022


*Python 3.7.0 Shell*
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/krije/OneDrive/Desktop/IBM/pyt.py ==========
2022-11-18 20:01:36,818 ibmiotf.device.Client INFO Connected successfully: d:i1kqwd:abcd:12345
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Published Distance = 69 cm Weight = 40 kg to IBM Watson
Published Distance = 46 cm Weight = 18 kg to IBM Watson
Published Distance = 79 cm Weight = 44 kg to IBM Watson
Published Distance = 81 cm Weight = 46 kg to IBM Watson
Published Distance = 90 cm Weight = 18 kg to IBM Watson
Published Distance = 76 cm Weight = 35 kg to IBM Watson
Published Distance = 50 cm Weight = 26 kg to IBM Watson
Published Distance = 90 cm Weight = 50 kg to IBM Watson
Published Distance = 83 cm Weight = 24 kg to IBM Watson
Published Distance = 89 cm Weight = 29 kg to IBM Watson
Published Distance = 93 cm Weight = 19 kg to IBM Watson
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Published Distance = 78 cm Weight = 29 kg to IBM Watson
Published Distance = 57 cm Weight = 42 kg to IBM Watson
Published Distance = 87 cm Weight = 34 kg to IBM Watson
Published Distance = 93 cm Weight = 44 kg to IBM Watson
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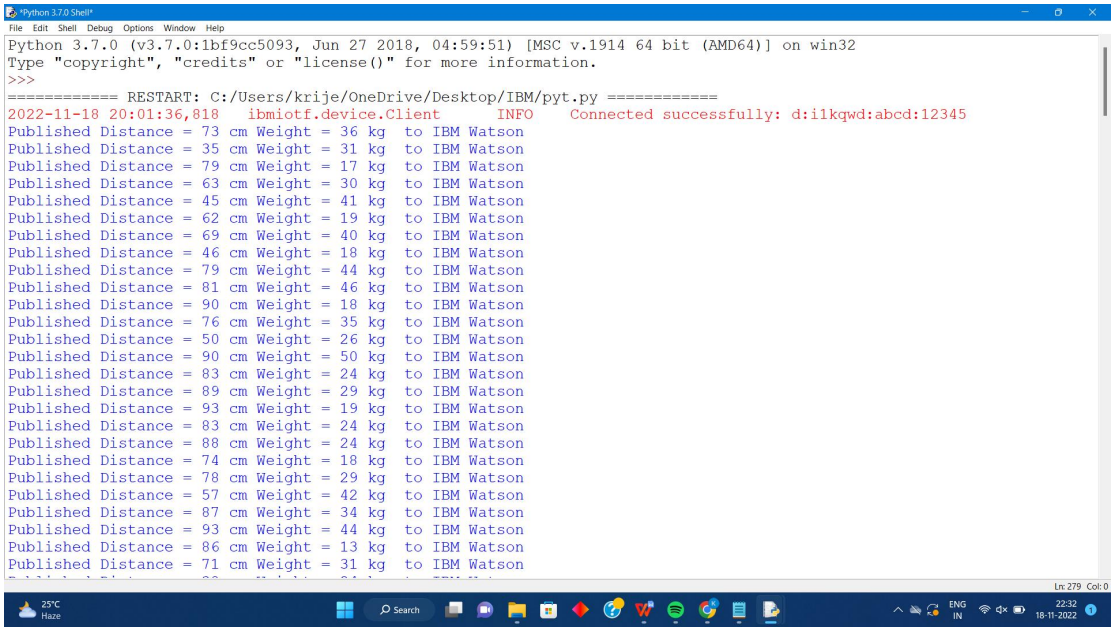
Published Distance = 71 cm Weight = 31 kg to IBM Watson
Ln: 278 Col: 0
25°C Haze
Search
ENG IN
22:32 18-11-2022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Published Distance = 76 cm Weight = 35 kg to IBM Watson
Published Distance = 50 cm Weight = 26 kg to IBM Watson
Published Distance = 90 cm Weight = 50 kg to IBM Watson
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Published Distance = 71 cm Weight = 31 kg to IBM Watson
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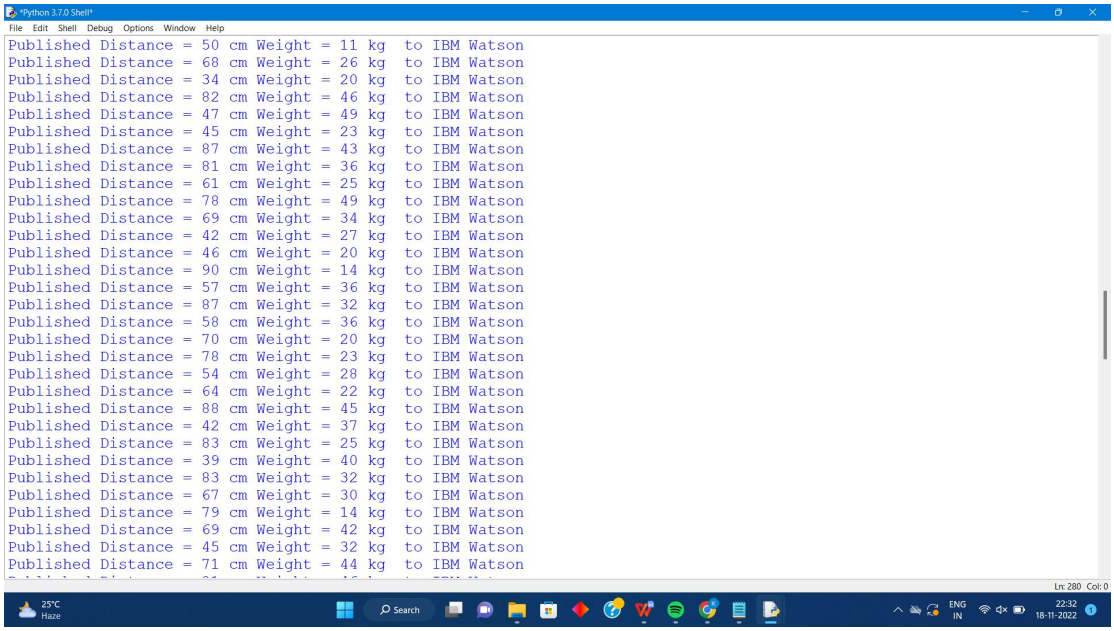
25°C Haze
Search
ENG IN
22:32 18-11-2022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File Edit Shell Debug Options Window Help
Published Distance = 50 cm Weight = 11 kg to IBM Watson
Published Distance = 68 cm Weight = 26 kg to IBM Watson
Published Distance = 34 cm Weight = 20 kg to IBM Watson
Published Distance = 82 cm Weight = 46 kg to IBM Watson
Published Distance = 47 cm Weight = 49 kg to IBM Watson
Published Distance = 45 cm Weight = 23 kg to IBM Watson
Published Distance = 87 cm Weight = 43 kg to IBM Watson
Published Distance = 81 cm Weight = 36 kg to IBM Watson
Published Distance = 61 cm Weight = 25 kg to IBM Watson
Published Distance = 78 cm Weight = 49 kg to IBM Watson
Published Distance = 69 cm Weight = 34 kg to IBM Watson
Published Distance = 42 cm Weight = 27 kg to IBM Watson
Published Distance = 46 cm Weight = 20 kg to IBM Watson
Published Distance = 90 cm Weight = 14 kg to IBM Watson
Published Distance = 57 cm Weight = 36 kg to IBM Watson
Published Distance = 87 cm Weight = 32 kg to IBM Watson
Published Distance = 58 cm Weight = 36 kg to IBM Watson
Published Distance = 70 cm Weight = 20 kg to IBM Watson
Published Distance = 78 cm Weight = 23 kg to IBM Watson
Published Distance = 54 cm Weight = 28 kg to IBM Watson
Published Distance = 64 cm Weight = 22 kg to IBM Watson
Published Distance = 88 cm Weight = 45 kg to IBM Watson
Published Distance = 42 cm Weight = 37 kg to IBM Watson
Published Distance = 83 cm Weight = 25 kg to IBM Watson
Published Distance = 39 cm Weight = 40 kg to IBM Watson
Published Distance = 83 cm Weight = 32 kg to IBM Watson
Published Distance = 67 cm Weight = 30 kg to IBM Watson
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Published Distance = 45 cm Weight = 32 kg to IBM Watson
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Ln: 280 Col: 0
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