Assignment-3

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18BLC1106

Develop a code to upload the water tank level and light intensity values to the IBM IoT platform and visualize them in the web application.

Python code:

import wiotp.sdk.device

import time

import random

myConfig = {

"identity": {

"orgId": "pifrwg",

"typeId": "Extern\_Assignment",

"deviceId":"1106"

},

"auth": {

"token": "18BLC1106\_Externship\_Assignment"

}

}

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)

client.connect()

while True:

inten=random.randint(0,125)

level=random.randint(0,100)

myData={'Light Intensity':inten, 'Water Level':level}

client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)

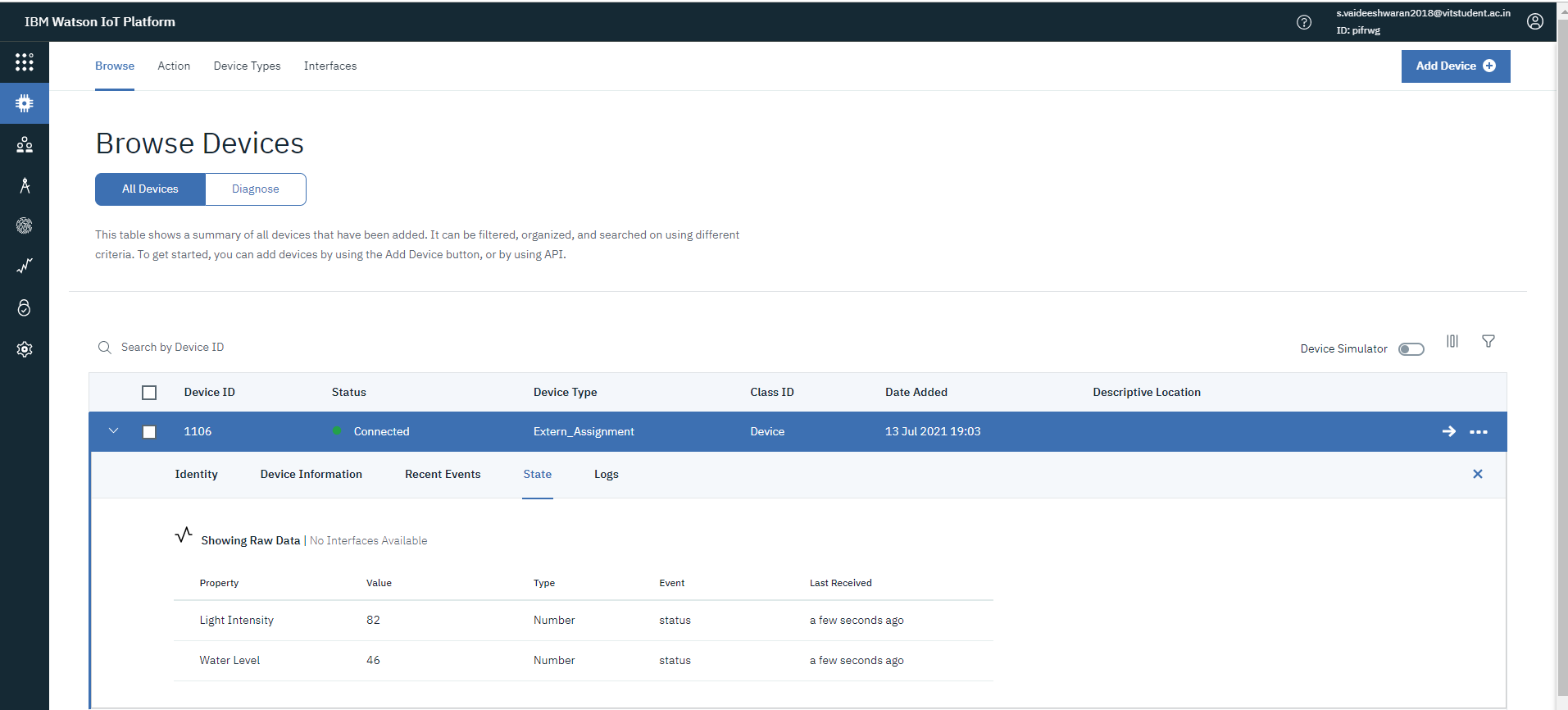
print("Published data Successfully: %s", myData)

#client.commandCallback = myCommandCallback

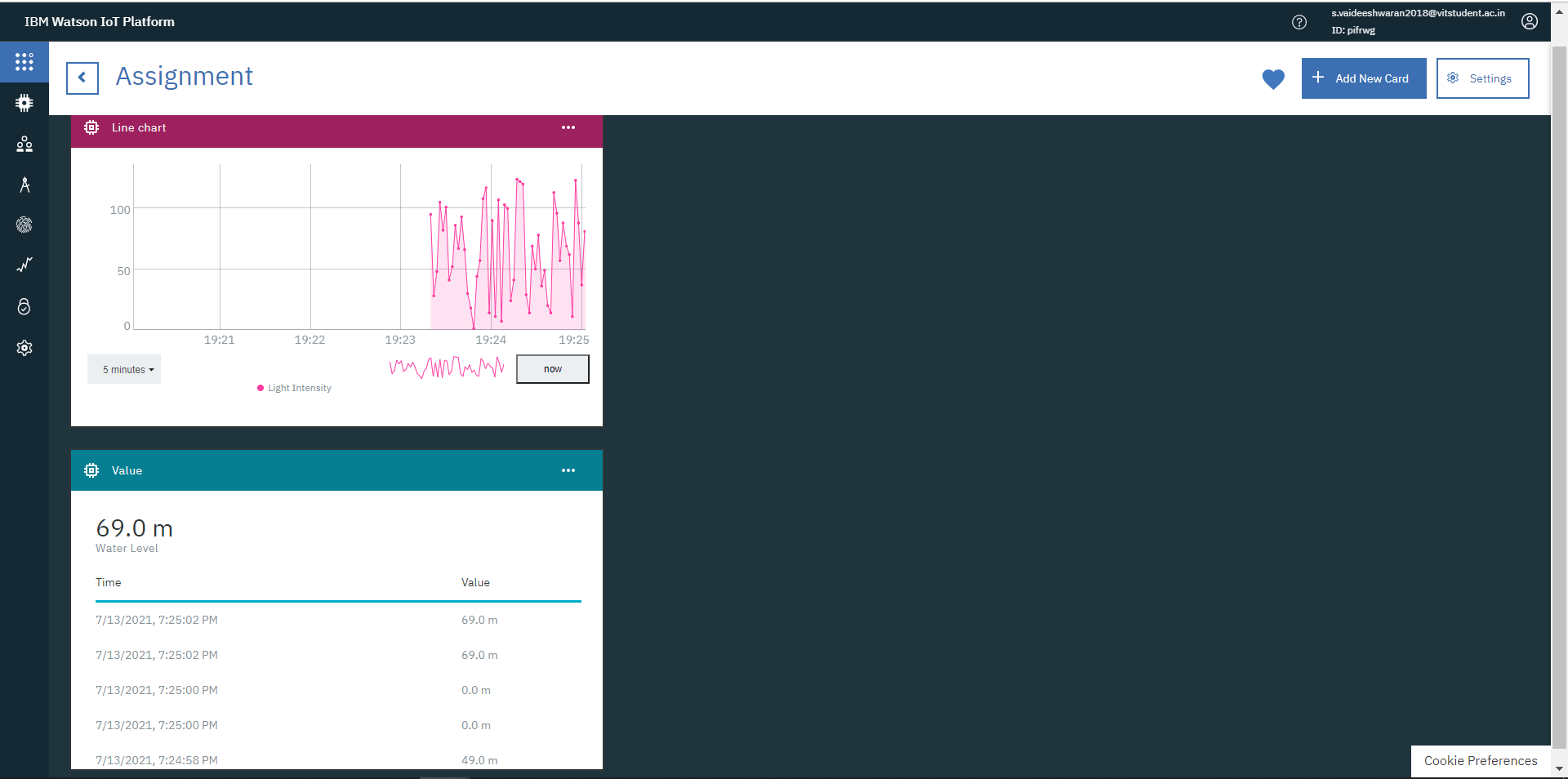
time.sleep(2)

client.disconnect()

IBM Devices:



Dashboard:



Python Shell Output:

