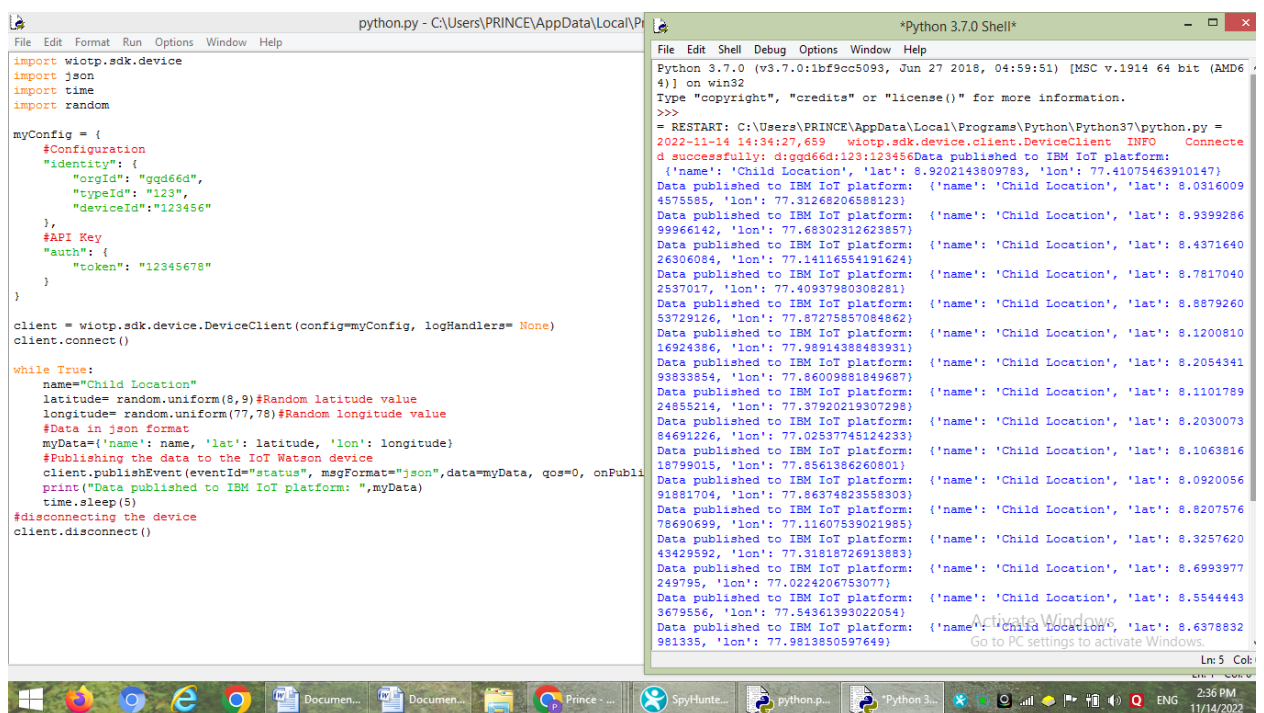


Safety Gadget for Child Safety Monitoring and Notification

Project Development –Delivery of Sprint 3

Team ID	PNT2022TMID34547
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

Transferring values from Python Code:



The image shows a screenshot of a Windows desktop with two windows open. The left window is a text editor titled 'python.py' showing a Python script. The script imports 'wiotp.sdk.device', 'json', 'time', and 'random'. It defines a 'myConfig' dictionary with fields for 'identity' (orgId, typeId, deviceId), 'API Key', and 'auth' (token). It then creates a 'DeviceClient' object, connects to the IBM IoT platform, and enters a loop where it publishes random location data (name, latitude, longitude) as JSON messages. The right window is a 'Python 3.7.0 Shell' showing the execution output. It displays the connection status, the data being published, and a series of log messages indicating successful data uploads to the IBM IoT platform.

```
python.py - C:\Users\PRINCE\AppData\Local\Programs\Python\Python37\python.py
import wiotp.sdk.device
import json
import time
import random

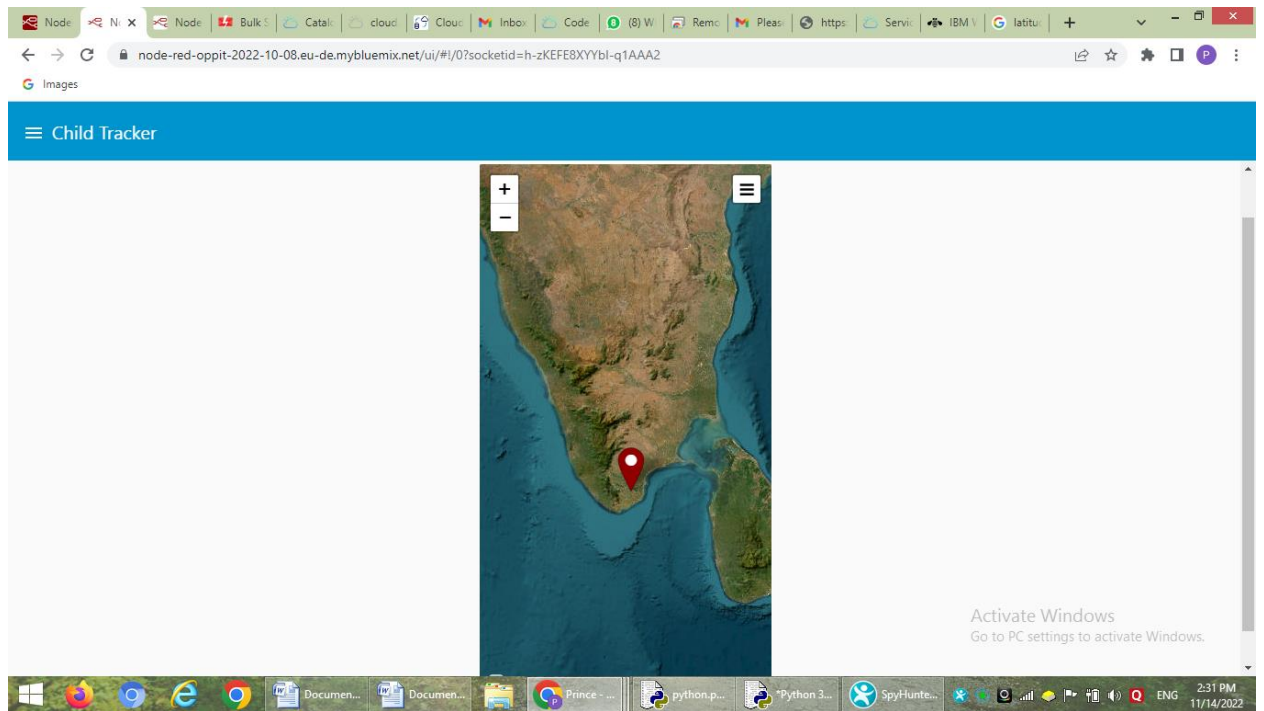
myConfig = {
    #Configuration
    "identity": {
        "orgId": "ggd66d",
        "typeId": "123",
        "deviceId": "123456"
    },
    #API Key
    "auth": {
        "token": "12345678"
    }
}

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

while True:
    name="Child Location"
    latitude= random.uniform(8,9)#Random latitude value
    longitude= random.uniform(77,78)#Random longitude value
    #Data in json format
    myData={'name': name, 'lat': latitude, 'lon': longitude}
    #Publishing the data to the IoT Watson device
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPubli
    print("Data published to IBM IoT platform: ",myData)
    time.sleep(5)
#disconnecting the device
client.disconnect()
```

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD6
4)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\PRINCE\AppData\Local\Programs\Python\Python37\python.py =
2022-11-14 14:34:27,659 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:ggd66d:123:123456Data published to IBM IoT platform:
{'name': 'Child Location', 'lat': 8.9202143809783, 'lon': 77.41075463910147}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.0316009
4575585, 'lon': 77.31268206588123}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.9399286
99966142, 'lon': 77.69302312623857}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.4371640
26306084, 'lon': 77.14116554191624}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.7817040
2537017, 'lon': 77.40937980308281}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.8879260
53729126, 'lon': 77.87275857084862}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.1200810
16924386, 'lon': 77.989143884893911}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.2054341
93833854, 'lon': 77.86009881849687}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.1101789
24855214, 'lon': 77.37920219307298}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.2030073
84691226, 'lon': 77.02537745124233}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.1063816
18799015, 'lon': 77.8561386260801}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.0920056
91881704, 'lon': 77.86374823558303}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.8207576
78690699, 'lon': 77.11607539021985}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.3257620
43429592, 'lon': 77.31818726913883}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.6993977
249795, 'lon': 77.0224206753077}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.5544443
3679556, 'lon': 77.54361393022054}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.6378832
981335, 'lon': 77.9813850597649}
Ln: 5 Col: 1
```

Node-Red Dashboard:



Cloudant DB:

Databases

Database name

Create Database

{ } JSON

Monitoring

Databases

Replication

Active Tasks










Account

Support

Documentation

IBM Cloudant

Log Out IBMId-664003Z57Y

Name	Size	# of Docs	Partitioned	Actions
childtracking_1	38 bytes	1	No	  
noderedoppit20221008	49.4 KB	4	No	  
sample	14 bytes	1	No	  

Showing 1-3 of 3 databases. Databases per page 20

Activate Windows
Go to PC settings to activate Windows.

2:31 PM
11/14/2022