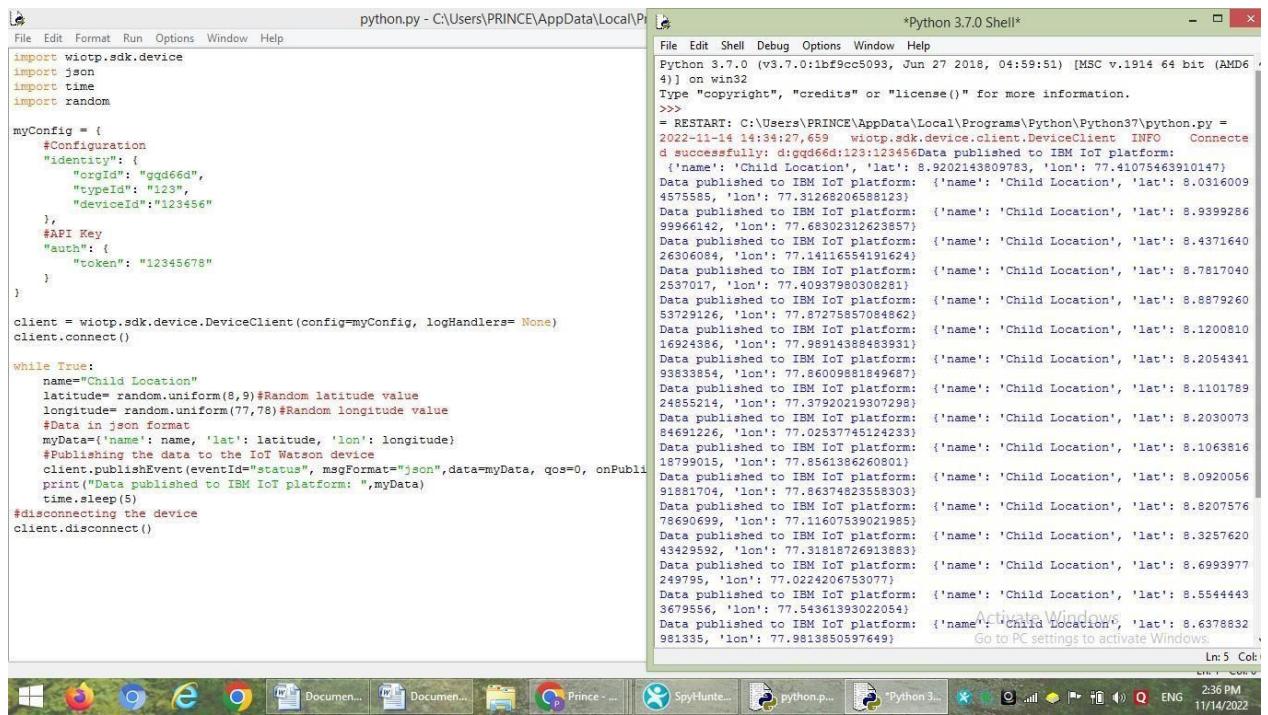


Safety Gadget for Child Safety Monitoring and Notification

Project Development –Delivery of Sprint 3

| | |
|----------------------|---|
| Team ID: | PNT2022TMID00858 |
| Project Name: | IOT-BASED CHILD MONITORING SYSTEM SURVEY USING THE RASPBERRY Pi |

Transferring values from Python Code:



```
python.py - C:\Users\PRINCE\AppData\Local\Programs\Python\Python37\python.py
File Edit Format Run Options Window Help
import wiotp.sdk.device
import json
import time
import random

myConfig = {
    "Configuration": {
        "identity": {
            "orgId": "qq66d",
            "typeId": "123",
            "deviceId": "123456"
        },
        "API Key": {
            "auth": {
                "token": "12345678"
            }
        }
    }
}

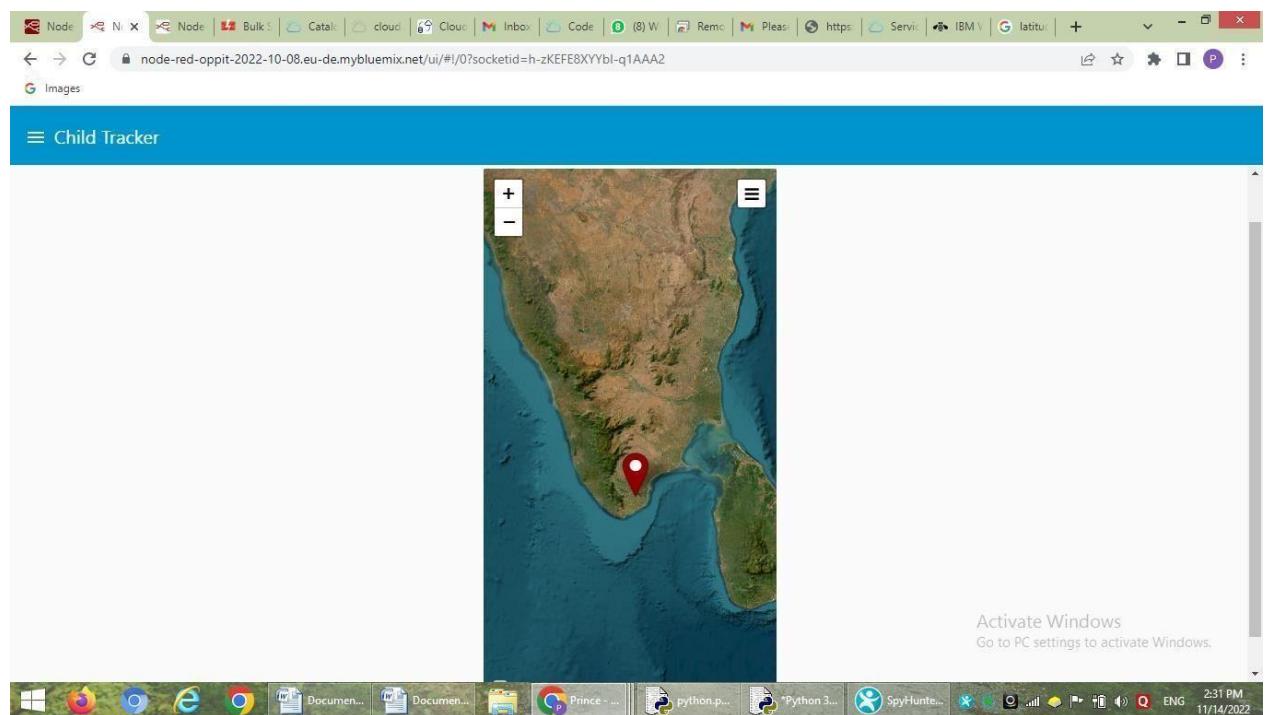
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers= None)
client.connect()

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, onPublish=None)
    print("Data published to IBM IoT platform: ",myData)
    time.sleep(5)
#disconnecting the device
client.disconnect()

*Python 3.7.0 Shell*
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:bf9cc5093, 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\PRINCE\AppData\Local\Programs\Python\Python37\python.py =
2022-11-14 14:34:27,659  wiotp.sdk.device.client.DeviceClient  INFO  Connected successfully: d:ggd66d:123:123456 Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.9202143809783, 'lon': 77.41075463910147}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.03160094575585, 'lon': 77.31265206588123}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.939928699966142, 'lon': 77.68302312623857}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.437164026306084, 'lon': 77.14116554191624}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.78170402537017, 'lon': 77.40937980308281}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.887926053729126, 'lon': 77.87275857004862}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.120081016924586, 'lon': 77.98914588463931}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.205434193833854, 'lon': 77.86009881849687}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.11017894855214, 'lon': 77.37920219307298}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.203007384691226, 'lon': 77.02537745124233}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.106381618799015, 'lon': 77.8561386260801}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.092005691881704, 'lon': 77.86374923558303}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.820757678690699, 'lon': 77.11607539021985}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.325762043429592, 'lon': 77.31818726913883}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.6993977249795, 'lon': 77.0224206753077}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.55444433679556, 'lon': 77.54361393022054}
Data published to IBM IoT platform: {'name': 'Child Location', 'lat': 8.6378832981335, 'lon': 77.9813850597649}

```

Node-Red Dashboard:



Cloudant DB:

The screenshot shows the IBM Cloudant dashboard. On the left is a dark sidebar with navigation links: Monitoring, Databases, Replication, Active Tasks, Account, Support, and Documentation. The main area is titled "Databases" and shows a table of databases. The table has columns: Name, Size, # of Docs, Partitioned, and Actions. Three databases are listed: "childtracking_1" (38 bytes, 1 doc, No), "noderedoppit20221008" (49.4 KB, 4 docs, No), and "sample" (14 bytes, 1 doc, No). The dashboard includes a search bar for "Database name", a "Create Database" button, and a "JSON" button. At the bottom, it shows "Showing 1–3 of 3 databases." and "Databases per page: 20". The system tray at the bottom right shows the same date and time as the previous screenshot.

