Develop the Python Script

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Date	31 October 2022
Team ID	PNT2022TMID12738
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

Steps

Install json, wiotp, time modules in python and develop a code with corresponding credentials to publish the Latitude and Longitude

Child.py - C:/Users/LENOVO/AppData/Local/Programs/Python/Python37/Child.py (3.7.4)

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```python
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity":{
        "orgId": "cr4s7d",
        "typeId": "NodeMCU",
        "deviceId": "2461"
        },
        "auth": {
            "token": "12345678"
          }
    }
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while 1:
    name="Smartbridge"
    #in area location
    #latitude = 17.4225176
    #longitude = 78.5458842

    #out area location

    latitude = 17.4225176
    longitude = 78.5458842
    myData={'name':name, 'lat':latitude,'lon':longitude}
    client.publishEvent(eventId="status",msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Data published to IBM IoT platform: ",myData)
    time.sleep(5)

client.disconnet()
```

Save and Run the code therefore latitude and longitude are published in Node RED

Python 3.7.4 Shell

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Data published to IBM IoT platform: {'name': 'Smartbridge', 'lat': 17.4225176, 'lon': 78.5458842}
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The published data (i.e.) latitude and longitude are seen in Node RED