Final Project

Date	13 November 2022
Team ID	PNT2022TMID13499
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	4 Marks

IoT Based Safety Gadget for Child Safety Monitoring and Notification :

Python code for transferring latitude and longitude:

```
import time

import sys

import ibmiotf.application

import ibmiotf.device

import random

organization="lz4nll"

deviceType="Child"

deviceId="12345"

authMethod="token"

authToken="12345678"

try:

    deviceOptions={"org": organization,"type": deviceType,"id": deviceId,"auth-method": authMethod,"auth-token": authToken}

    deviceCli=ibmiotf.device.Client(deviceOptions)

except Exception as e:

    print("caught exception connecting device:%s" % str(e))

    sys.exit()

deviceCli.connect()

while True:

    #in data

    name="kishor"

    lattitude=11.663579;

    longtitude=78.146254;
```

#out data

#lattitude=12.7345;

#longtitude=13.2020;

data={'lat':lattitude,'lon':longtitude,'name':name}

def myOnPublishCallback():

print("published lattitude=%d" %lattitude,"longtitude=%d" %longtitude,"to ibm watson")

success=deviceCli.publishEvent("IotSensor","json",data,qos=0,on_publish=myOnPublishCallback)

if not success:

print("Not connected to IoTF")

time.sleep(3)

deviceCli.disconnect()

OUTPUT:

PUBLISHED DATA IN IBM WATSON IOT PLATFORM:

WEB APPLICATION USING NODE-RED:

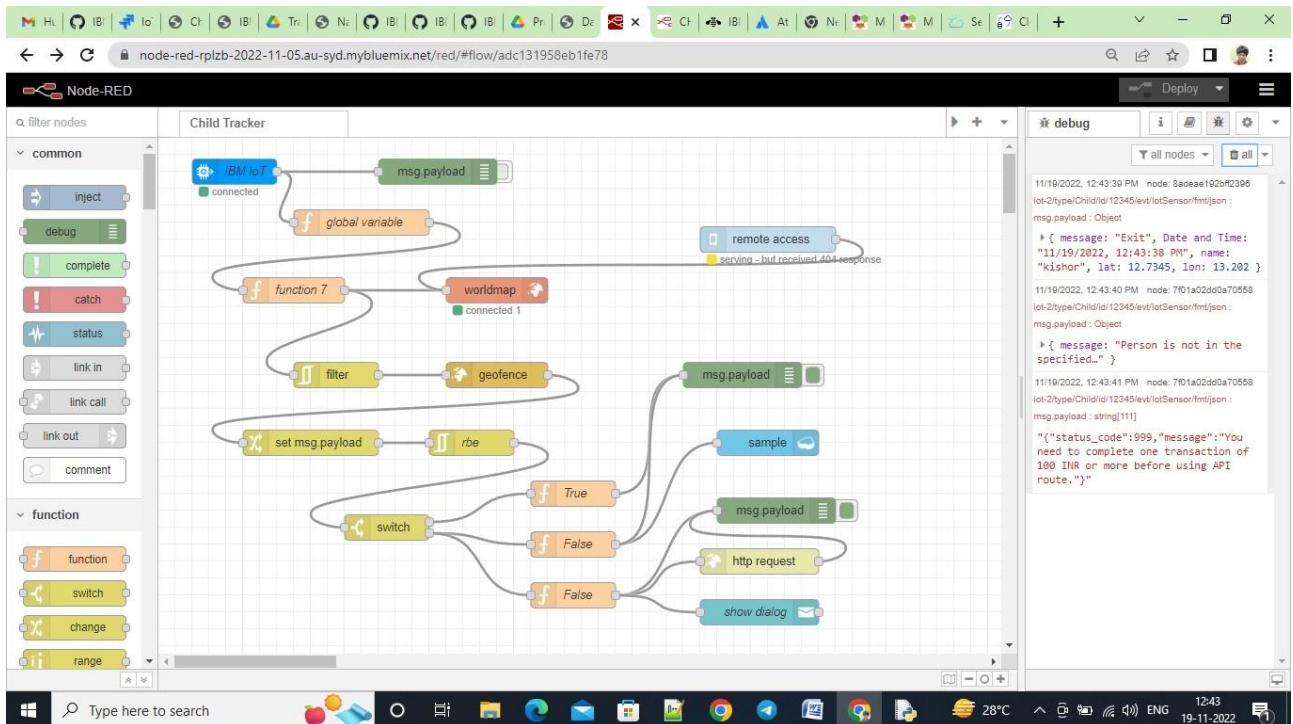**WHEN WE GIVE IN AREA LOCATION:**
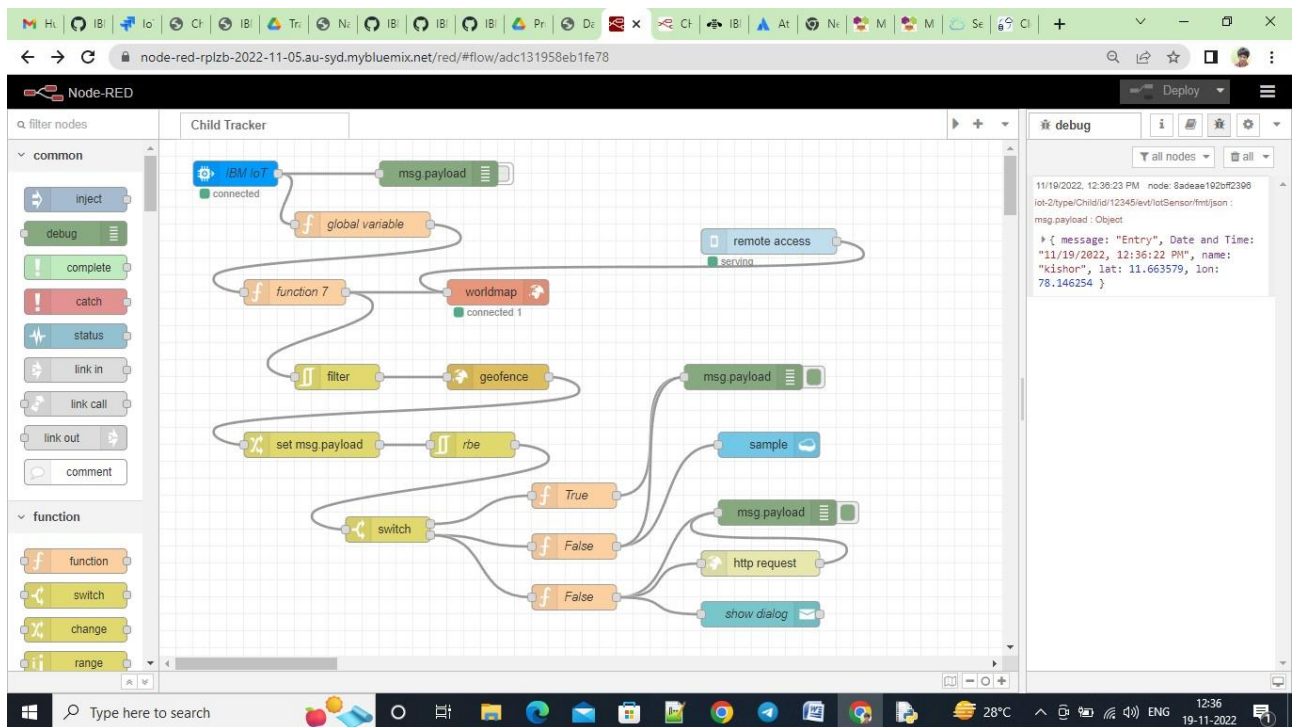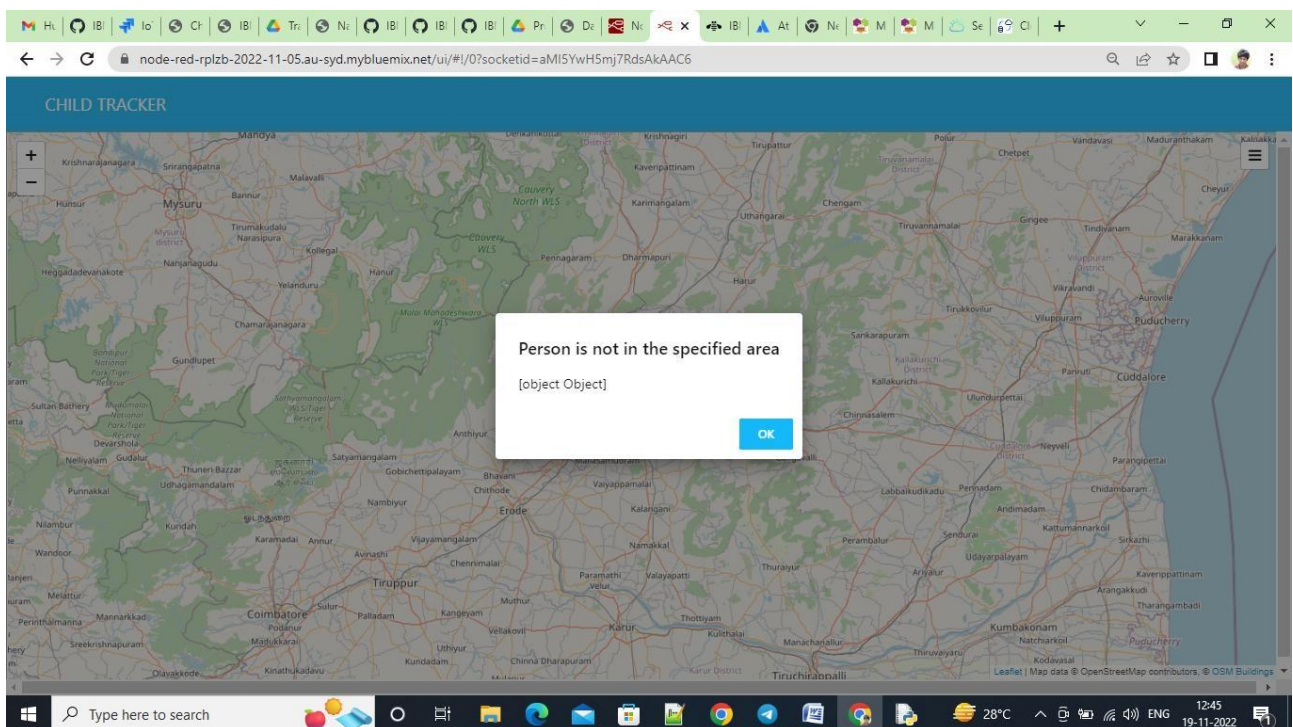

OUTPUT:
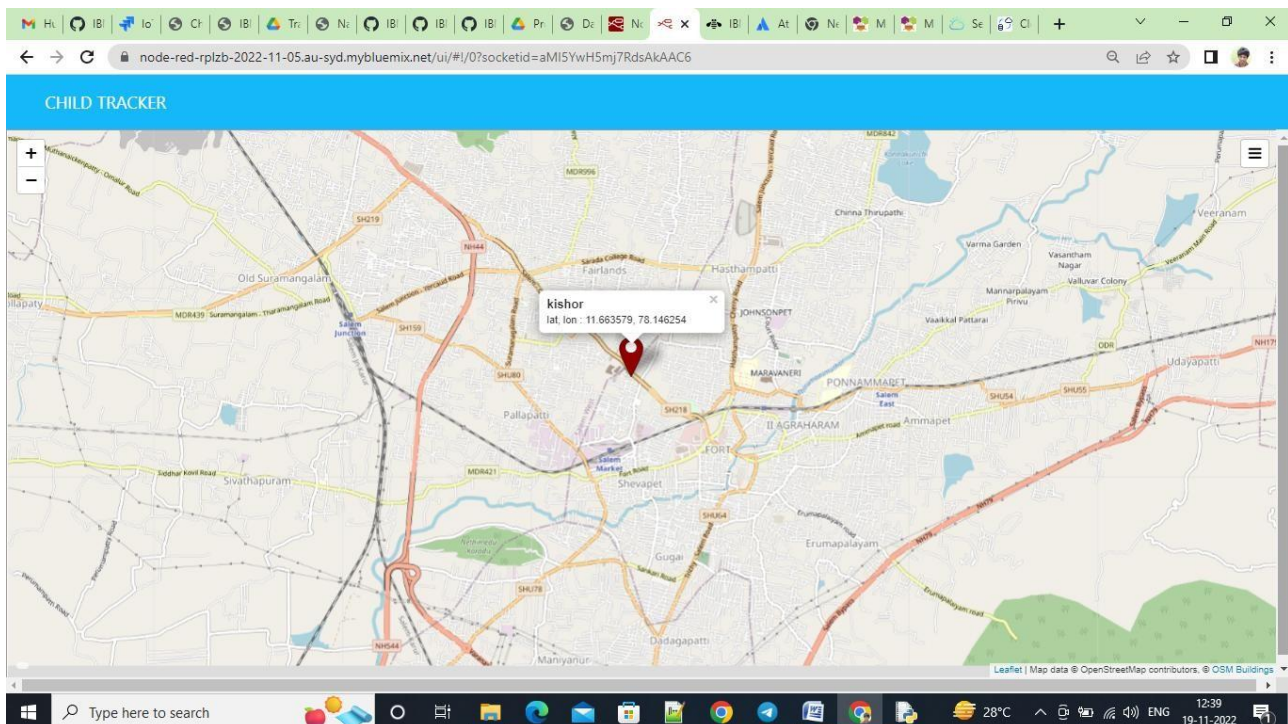
WHEN WE GIVE OUT AREA LOCATION:

OUTPUT :

STORED DATA IN THE DATABASE WE HAVE CREATED: