import folium

import time

import webbrowser

from firebase import firebase

import playsound

import math

fire=firebase.FirebaseApplication('https://rpi-gps-bf887.firebaseio.com/' ,None)

def get\_location():

val=fire.get('/',None)

while(val is None):

val=fire.get('/',None)

location=list(val.values())

location=list(location[0].values())

location[0]=float(location[0])

location[1]=float(location[1])

#print(location)

return location

def dist(a,b):

x=(a[0]-b[0])\*\*2

y=(a[1]-b[1])\*\*2

if(math.sqrt(x+y)<0.005):

return True

else:

return False

cbit=[17.3921,78.3195]

acc2=[17.385300,78.330909]

map=folium.Map(cbit,zoom\_start=15)

folium.Circle(cbit,500,color='crimson',fill=True).add\_to(map)

folium.Marker(cbit,popup="Accident prone area",icon=folium.Icon(color='red')).add\_to(map)

folium.Circle(acc2,500,color='crimson',fill=True).add\_to(map)

folium.Marker(acc2,popup="Accident prone area",icon=folium.Icon(color='red')).add\_to(map)

while(True):

location=get\_location()

folium.Marker(location,popup="my location").add\_to(map)

map.save("maps.html")

webbrowser.open("maps.html",new=1)

time.sleep(1)

if(dist(cbit,location)or dist(acc2,location)):

playsound.playsound('accident.mp3’')

time.sleep(10)