Develop the python script

Assignment Date	19 NOVEMBER 2022
Team ID	PNT2022TMID38342
Project Name	IOT based child safety Gadget monitoring and notification
Maximum Marks	4 Marks

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Import pandas as pd
Import numpy as np
Import matplotlib.pyplot as plt
From PIL import Image, ImageDraw

Data_path = 'data.csv'
Data = pd.read_csv(data_path, names=['LATITUDE', 'LONGITUDE'], sep=',')

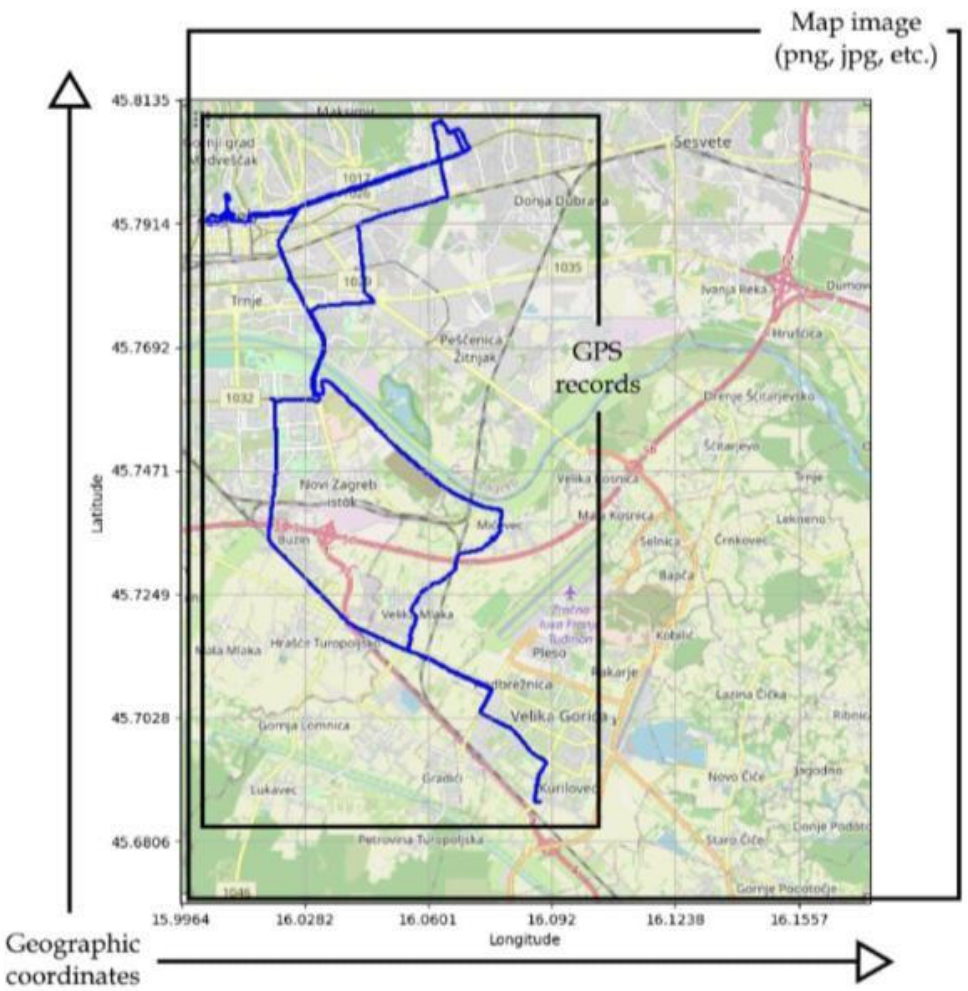
Gps_data = tuple(zip(data['LATITUDE'].values, data['LONGITUDE'].values))

Image = Image.open('map.png', 'r')  # Load map image.
Img_points = []
For d in gps_data:
   X1, y1 = scale_to_img(d, (image.size[0], image.size[1]))  # Convert GPS coordinates to image coordinates.
   Img_points.append((x1, y1))
Draw = ImageDraw.Draw(image)
Draw.line(img_points, fill=(255, 0, 0), width=2)  # Draw converted records to the map image.

Image.save('resultMap.png')

X_ticks = map(lambda x: round(x, 4), np.linspace(lon1, lon2, num=7))
Y_ticks = map(lambda x: round(x, 4), np.linspace(lat1, lat2, num=8))
Y_ticks = sorted(y_ticks, reverse=True)  # y ticks must be reversed due to conversion to image coordinates.

Fig, axis1 = plt.subplots(figsize=(10, 10))
Axis1.imshow(plt.imread('resultMap.png'))  # Load the image to matplotlib plot.
Axis1.set_xlabel('Longitude')
Axis1.set_ylabel('Latitude')
Axis1.set_xticklabels(x_ticks)
Axis1.set_yticklabels(y_ticks)
Axis1.grid()
Plt.show()
```



The final result of GPS visualisation