Sai Ram. K
20181CSE0621
7 - CSE - 10
DV Batch - 1

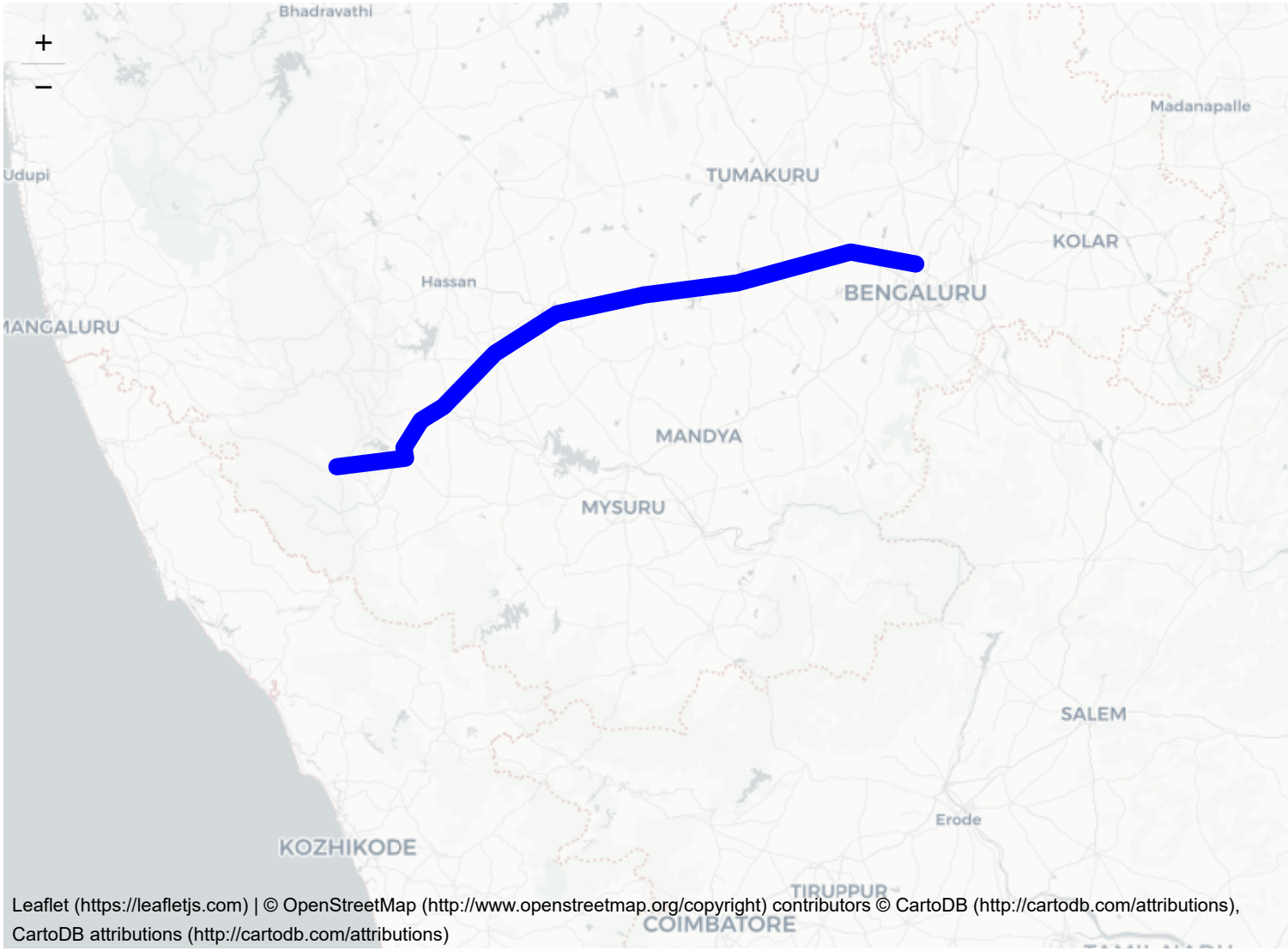
In [1]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
import seaborn as sns
import warnings; warnings.simplefilter('ignore')
import folium
from branca.element import Figure
```

In [2]:
```
coords = [[13.061137332296994, 77.59140346409833],[13.098309650748288, 77.38255797179902],
          [13.06890397430386, 77.24358452868341],[13.004725327739276, 77.02016450710147],
          [12.968908480522032, 76.7227667258234],[12.909202280918393, 76.44207669847064],
          [12.787574713960845, 76.24603922736763],[12.61915424722405, 76.08230337112612],
          [12.575705754468608, 76.00703323162782],[12.491725848908086, 75.95292621931894],
          [12.457914905470735, 75.95996013380984],[12.429293239737179, 75.73807518007693]]
```

In [5]:

```
fig=Figure(height=550,width=750)
path=folium.Map(location=[13.057049892029676, 77.59334397946488],tiles='cartodbpositron',zoom_start=11)
fig.add_child(path)

f1=folium.FeatureGroup("TripRoute")
route=folium.vector_layers.PolyLine(coords,popup='<b>Path of Vehicle_1</b>',tooltip='Vehicle_1',color='blue',weight=10).add_to
f1.add_to(path)
folium.LayerControl().add_to(path)

#Source and Destination
folium.Marker(location=[13.057049892029676, 77.59334397946488],popup='Kodigehalli-Bangalore',
              tooltip='<strong>Source</strong>',icon=folium.Icon(color='red',icon='none')).add_to(path)
folium.Marker(location=[12.484806330960296, 75.74588324974273],popup='Coorg',
              tooltip='<strong>Destination</strong>',icon=folium.Icon(color='green',icon='none')).add_to(path)
#Halts and Places visited
folium.Marker(location=[13.002008734310033, 77.02327674692559],popup='Kunigal',
              tooltip='<strong>Halt 1</strong>',icon=folium.Icon(color='purple',icon='none')).add_to(path)
folium.Marker(location=[12.980736014715502, 76.85806523648728],popup='Yediyur',
              tooltip='<strong>Halt 2</strong>',icon=folium.Icon(color='purple',icon='none')).add_to(path)
folium.Marker(location=[12.89907788851542, 76.38780245375803],popup='Channarayapatna',
              tooltip='<strong>Visit 1  </strong>',icon=folium.Icon(color='black',icon='none')).add_to(path)
folium.Marker(location=[12.792076933697038, 76.24147226077902],popup='H.Nasipur',
              tooltip='<strong>Halt 3</strong>',icon=folium.Icon(color='black',icon='none')).add_to(path)
folium.Marker(location=[12.621126616822222, 76.08511136445567],popup='RamanathPura',
              tooltip='<strong>Visit 2</strong>',icon=folium.Icon(color='black',icon='none')).add_to(path)

folium.Marker(location=[12.957384454428588, 76.5802900223209],popup='Hirisave',
              tooltip='<strong>Halt 1</strong>',icon=folium.Icon(color='purple',icon='none')).add_to(path)
folium.Marker(location=[13.073759210960128, 77.20365744725231],popup='WoodStock Resort',
              tooltip='<strong>Halt 4</strong>',icon=folium.Icon(color='purple',icon='none')).add_to(path)
folium.Marker(location=[12.44301470843685, 75.84827332259593],popup='BirchWood Retreat',
              tooltip='<strong>Halt 5</strong>',icon=folium.Icon(color='purple',icon='none')).add_to(path)

folium.Marker(location=[12.596972959659393, 75.84791248779926],popup='Somvarpet',
              tooltip='<strong>Visit 3</strong>',icon=folium.Icon(color='black',icon='none')).add_to(path)
folium.Marker(location=[12.416741161015432, 75.74568305754431],popup='Stuart Hill',
              tooltip='<strong>Visit 4</strong>',icon=folium.Icon(color='black',icon='none')).add_to(path)
folium.Marker(location=[12.420714255397536, 75.7327807851114],popup='Adventure Club',
              tooltip='<strong>Visit 5</strong>',icon=folium.Icon(color='black',icon='none')).add_to(path)

path
```

Out[5]: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Udupi
TUMAKURU
Madanapalle
KOLAR
Hassan
BENGALURU
MANGALURU
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MYSURU
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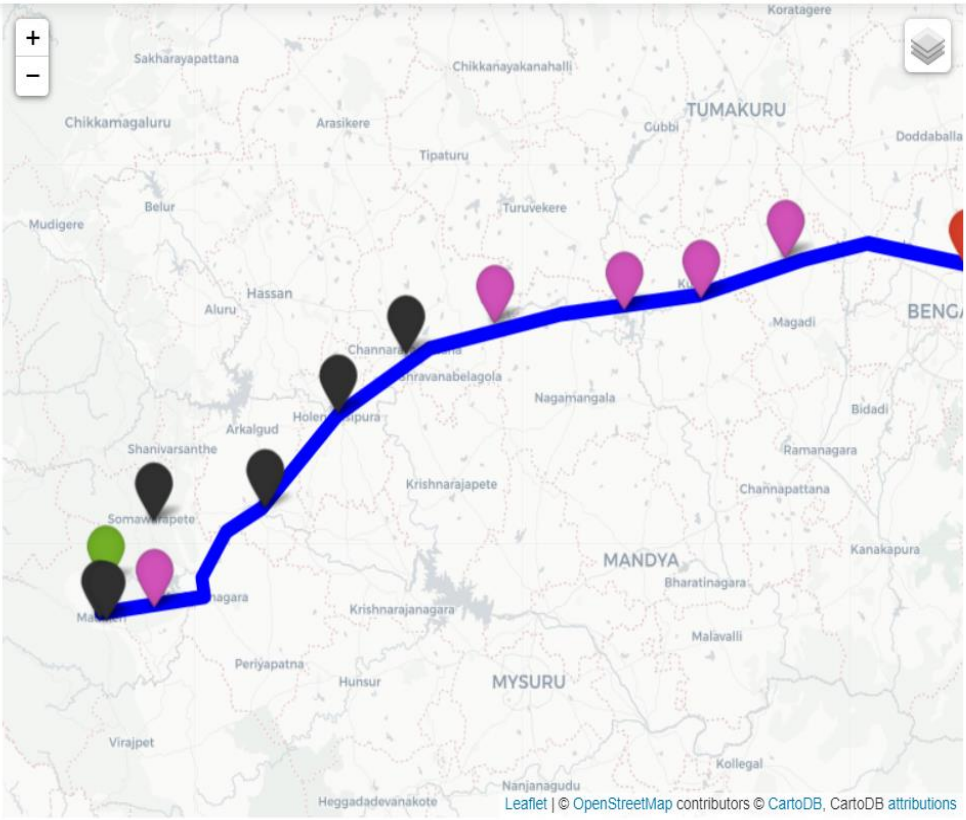
OUTPUT SCREENSHOTS

Out[5]: