Python | Plotting Google Map using folium package

Folium is built on the data wrangling strengths of the Python ecosystem and the mapping strengths of the `Leaflet.js` (JavaScript) library. Simply, manipulate your data in Python, then visualize it on a leaflet map via Folium. Folium makes it easy to visualize data that's been manipulated in Python, on an interactive Leaflet map. This library has a number of built-in tilesets from OpenStreetMap, Mapbox etc.

Command to install folium module :

```
pip install folium==0.1.5
```
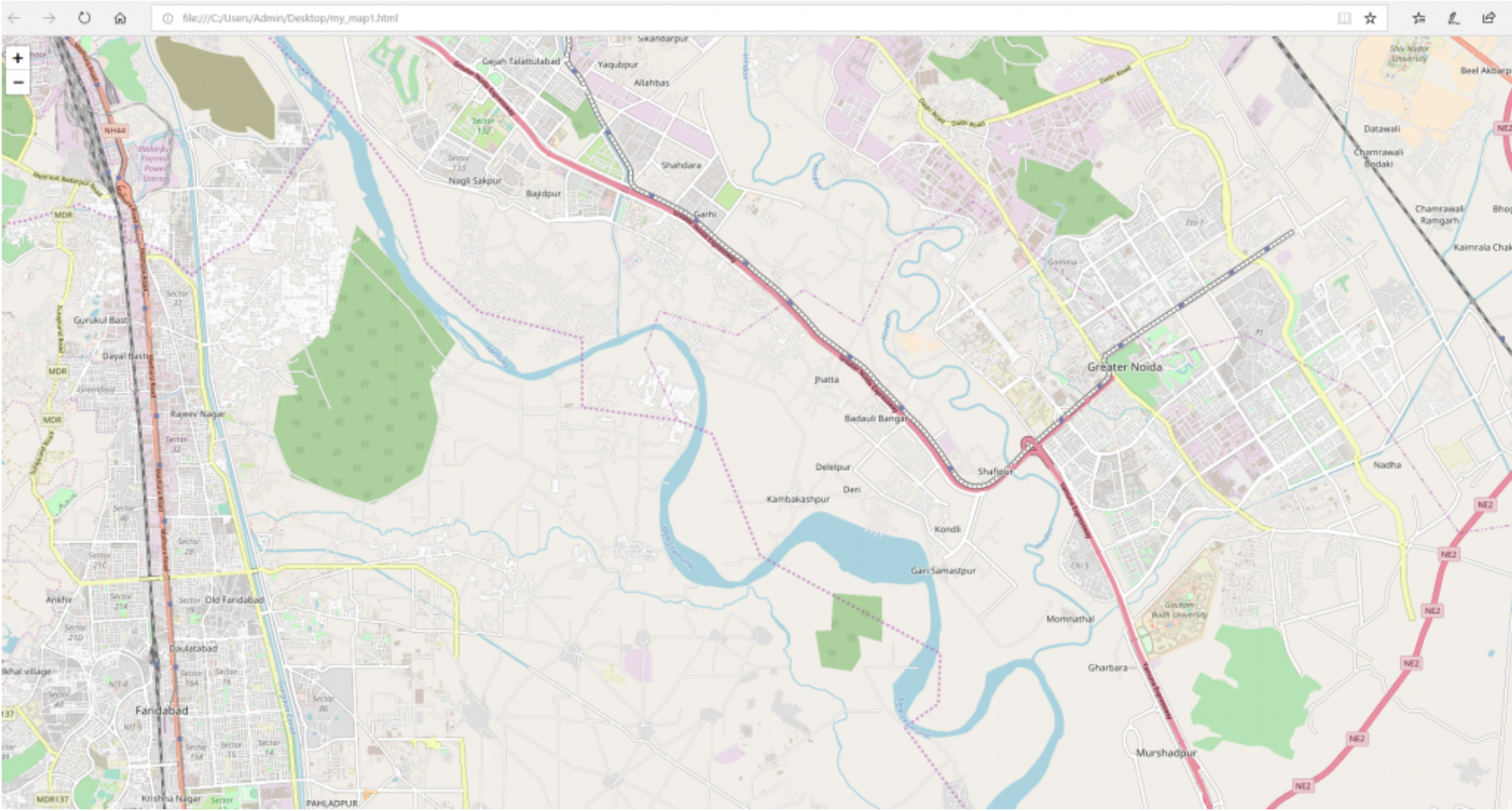
Code #1 : To create a Base Map.

```python
# import folium package
import folium

# Map method of folium return Map object

# Here we pass coordinates of Gfg
# and starting Zoom level = 12
my_map1 = folium.Map(location = [28.5011226, 77.4099794],
                                 zoom_start = 12 )

# save method of Map object will create a map
my_map1.save(" my_map1.html " )
```

Output :

Code #2 : Add a circular marker with popup text.
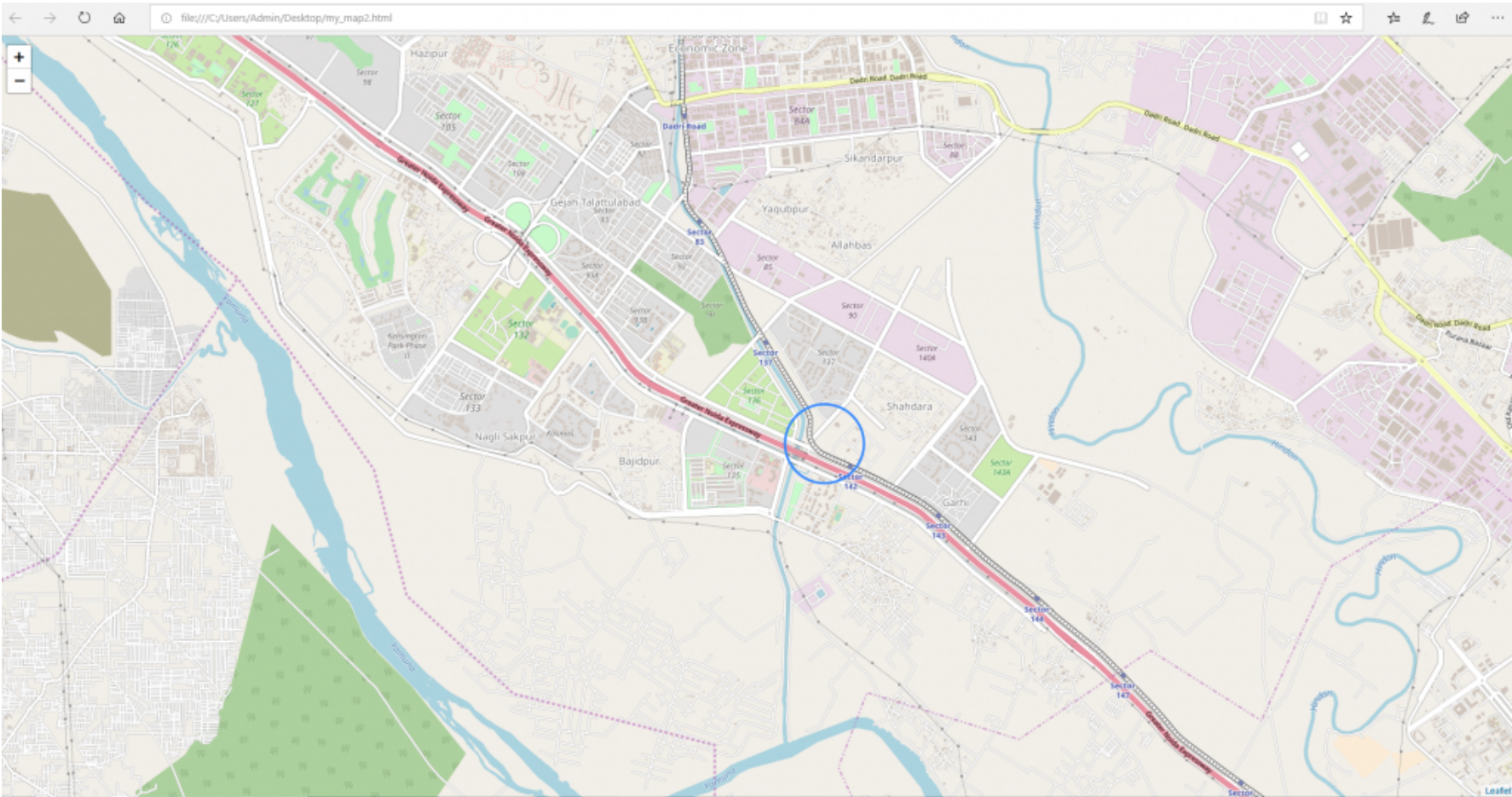
```
# import folium package
import folium

my_map2 = folium.Map(location = [28.5011226, 77.4099794],
                                        zoom_start = 12)

# CircleMarker with radius
folium.CircleMarker(location = [28.5011226, 77.4099794],
                radius = 50, popup = ' FRI ').add_to(my_map2)

# save as html
my_map2.save(" my_map2.html ")
```

Output :

Code #3 : Add a simple_marker for parachute style marker with pop-up text.
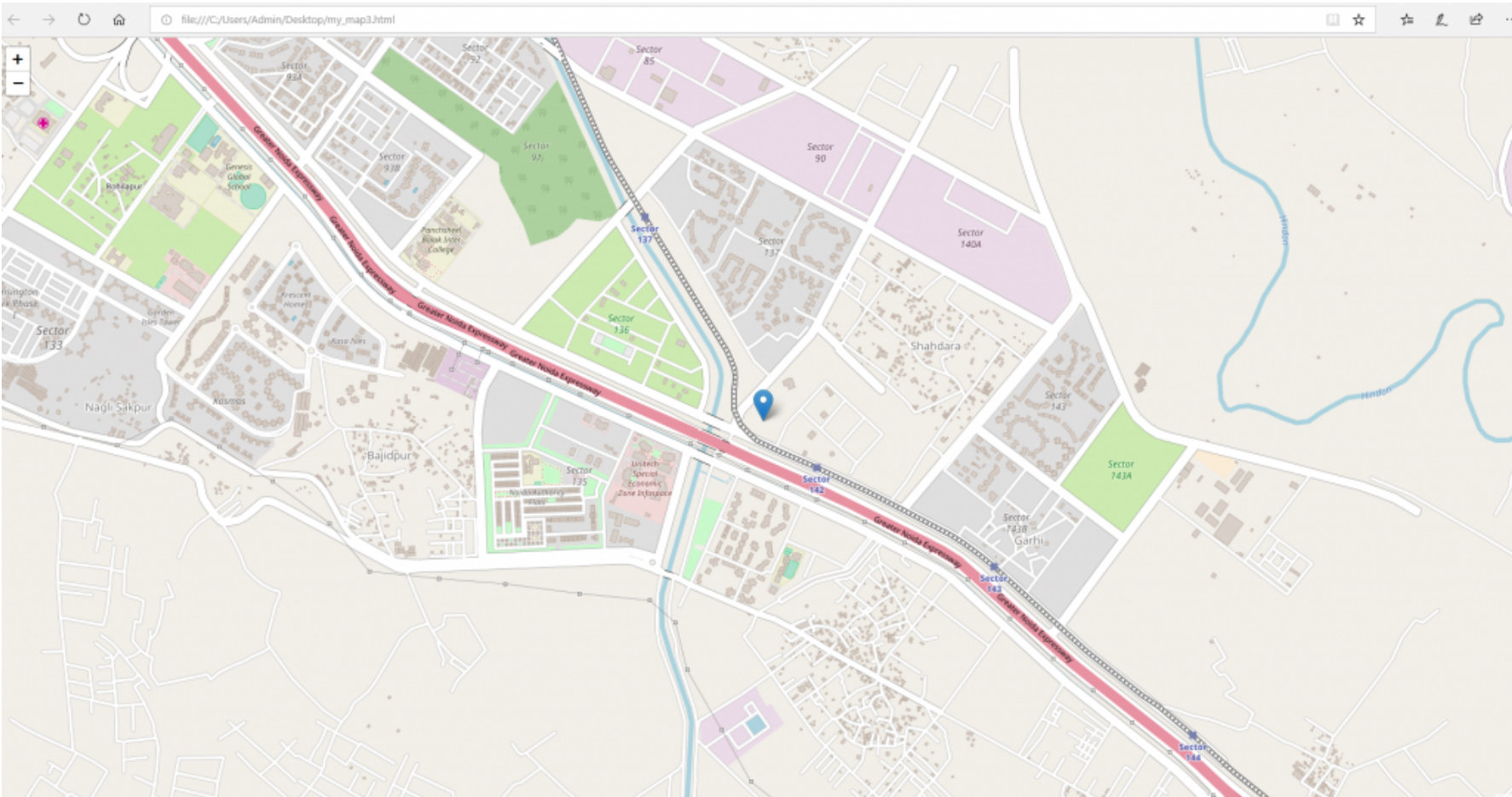
```
# import folium package
import folium

my_map3 = folium.Map(location = [28.5011226, 77.4099794],
                                        zoom_start = 15)

# Pass a string in popup parameter
folium.Marker([28.5011226, 77.4099794],
                popup = ' Geeksforgeeks.org ').add_to(my_map3)

my_map3.save(" my_map3.html ")
```

Output :

Code #4 : Add a line to the map

```python
# import folium package
import folium

my_map4 = folium.Map(location = [28.5011226, 77.4099794],
                                  zoom_start = 12)

folium.Marker([28.704059, 77.102490],
              popup = 'Delhi').add_to(my_map4)

folium.Marker([28.5011226, 77.4099794],
              popup = 'GeeksforGeeks').add_to(my_map4)

# Add a line to the map by using line method .
# it connect both coordiates by the line
# line_opacity implies intensity of the line

folium.PolyLine(locations = [(28.704059, 77.102490), (28.5011226, 77.4099794)],
                line_opacity = 0.5).add_to(my_map4)

my_map4.save("my_map4.html")
```
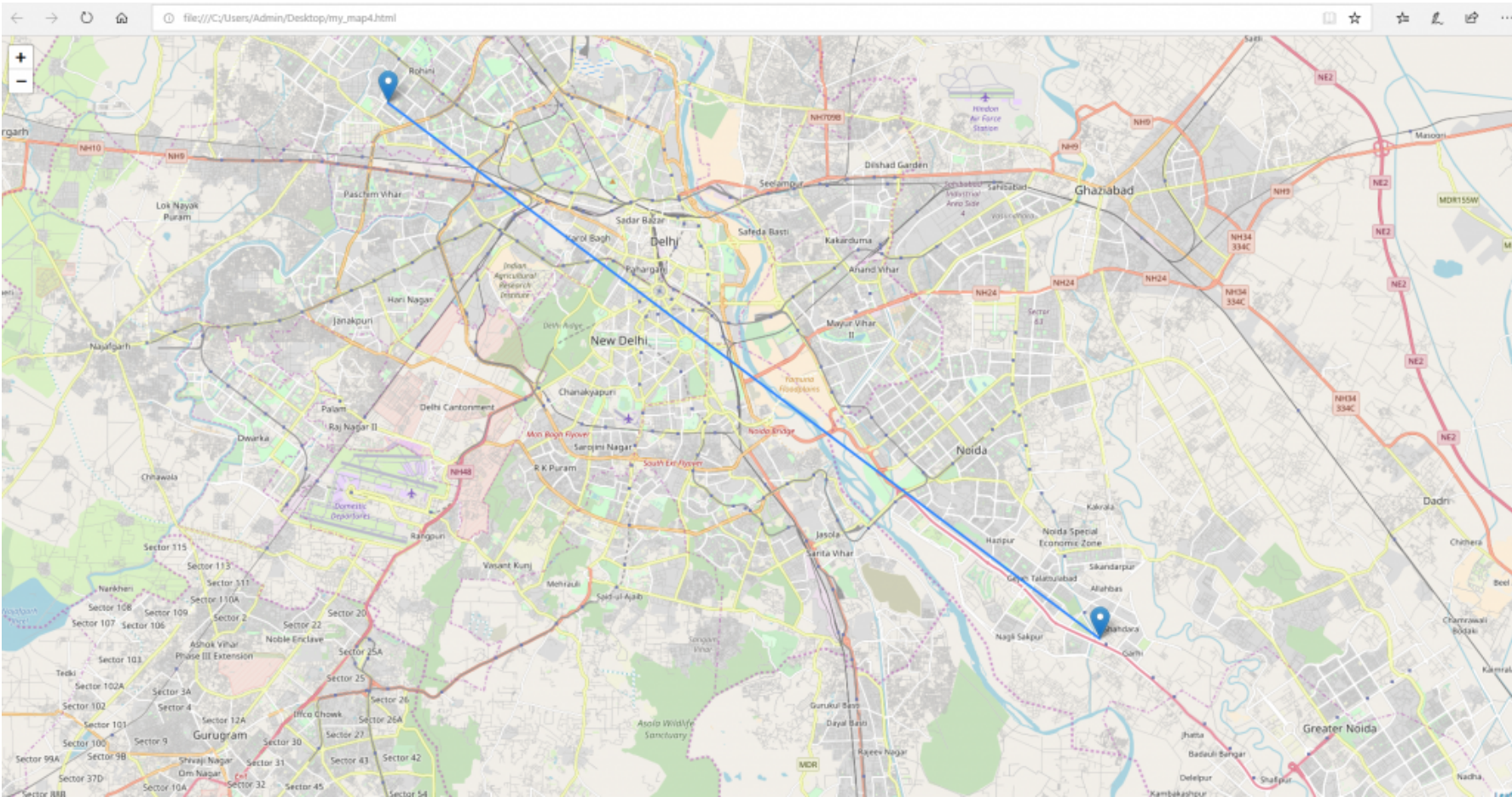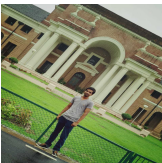
Output :

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