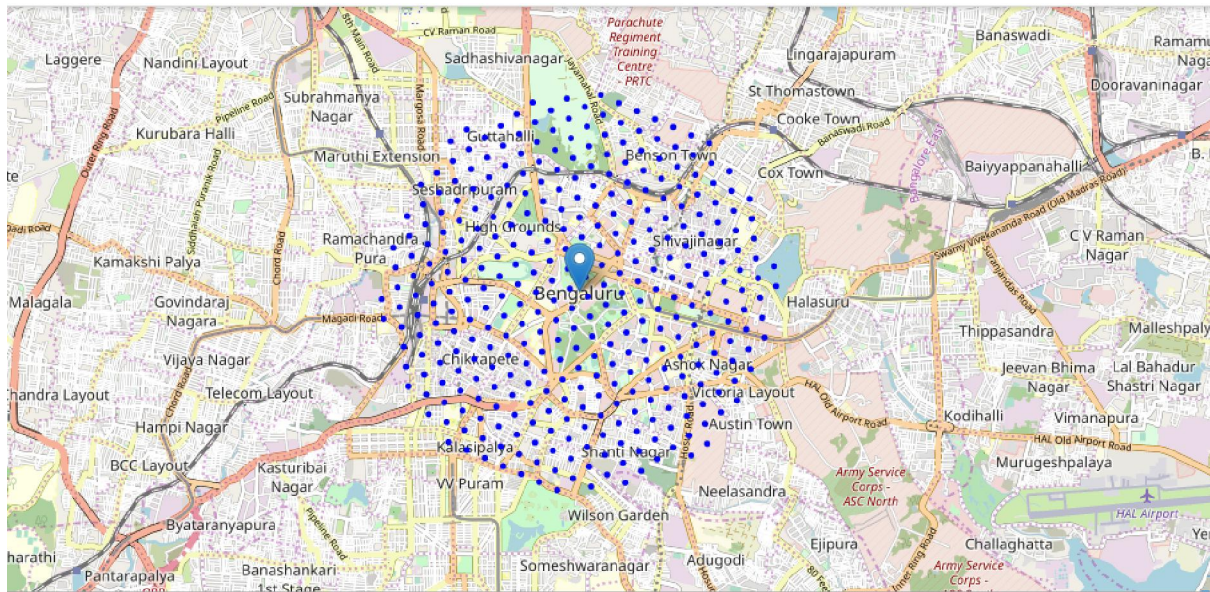


## Data Acquisition:

For data , we will use geopy libraries and used the latitude from the library hen passing the address.

I used folium , library to plt the map from the co-ordinates extracted from geopy .



Made the dataframes from the extracted data :

	Address	Latitude	Longitude	X	Y	Distance from center
0	Fort High School, Krishna Rajendra Road, Maval...	12.958821	77.573128	8.885556e+06	2.961840e+06	5992.495307
1	Dharmaraya Swamy Temple Ward, South Zone, Beng...	12.957730	77.575652	8.886156e+06	2.961840e+06	5840.376700
2	Dharmaraya Swamy Temple Ward, South Zone, Beng...	12.956640	77.578175	8.886756e+06	2.961840e+06	5747.173218
3	Hindustan Petroleum, Proposed Hudson Cricle - ...	12.955549	77.580699	8.887356e+06	2.961840e+06	5715.767665
4	New car designer, Lalbagh Fort Road, Mavalli, ...	12.954459	77.583222	8.887956e+06	2.961840e+06	5747.173218
5	Lalbagh Botanical Gardens, ಪಾದಚಾರಿ ಮಾರ್ಗ, Mava...	12.953369	77.585744	8.888556e+06	2.961840e+06	5840.376700
6	Lalbagh Botanical Gardens, ಪಾದಚಾರಿ ಮಾರ್ಗ, Mava...	12.952279	77.588267	8.889156e+06	2.961840e+06	5992.495307
7	St. Joseph's School, Cottonpete Main Road, K R...	12.962601	77.570305	8.884656e+06	2.962360e+06	5855.766389
8	Bangalore Medical College Hospitals, ಸುಲ್ತಾನ್ ...	12.961510	77.572829	8.885256e+06	2.962360e+06	5604.462508
9	Srinidhi Sagar, 2, Krishna Rajendra Road, K R ...	12.960419	77.575353	8.885856e+06	2.962360e+06	5408.326913

Resturants in the different region:

	Address	Latitude	Longitude	X	Y	Distance from center	Restaurants in area
0	Fort High School, Krishna Rajendra Road, Maval...	12.958821	77.573128	8.885556e+06	2.961840e+06	5992.495307	1
1	Dharmaraya Swamy Temple Ward, South Zone, Beng...	12.957730	77.575652	8.886156e+06	2.961840e+06	5840.376700	1
2	Dharmaraya Swamy Temple Ward, South Zone, Beng...	12.956640	77.578175	8.886756e+06	2.961840e+06	5747.173218	4
3	Hindustan Petroleum, Proposed Hudson Cricle - ...	12.955549	77.580699	8.887356e+06	2.961840e+06	5715.767665	4
4	New car designer, Lalbagh Fort Road, Mavalli, ...	12.954459	77.583222	8.887956e+06	2.961840e+06	5747.173218	1
5	Lalbagh Botanical Gardens, ಪಾದಚಾರಿ ಮಾರ್ಗ, Mava...	12.953369	77.585744	8.888556e+06	2.961840e+06	5840.376700	3
6	Lalbagh Botanical Gardens, ಪಾದಚಾರಿ ಮಾರ್ಗ, Mava...	12.952279	77.588267	8.889156e+06	2.961840e+06	5992.495307	0
7	St. Joseph's School, Cottonpete Main Road, K R...	12.962601	77.570305	8.884656e+06	2.962360e+06	5855.766389	1
8	Bangalore Medical College Hospitals, ಸುಬ್ಬಾಸ್ ...	12.961510	77.572829	8.885256e+06	2.962360e+06	5604.462508	1
9	Srinidhi Sagar, 2, Krishna Rajendra Road, K R ...	12.960419	77.575353	8.885856e+06	2.962360e+06	5408.326913	1

Italian Resturants in the different region:

	Address	Latitude	Longitude	X	Y	Distance from center	Restaurants in area	Distance to Italian restaurant
0	Fort High School, Krishna Rajendra Road, Maval...	12.958821	77.573128	8.885556e+06	2.961840e+06	5992.495307	1	5225.267649
1	Dharmaraya Swamy Temple Ward, South Zone, Beng...	12.957730	77.575652	8.886156e+06	2.961840e+06	5840.376700	1	4813.516635
2	Dharmaraya Swamy Temple Ward, South Zone, Beng...	12.956640	77.578175	8.886756e+06	2.961840e+06	5747.173218	4	4444.824269
3	Hindustan Petroleum, Proposed Hudson Cricle - ....	12.955549	77.580699	8.887356e+06	2.961840e+06	5715.767665	4	4130.736395
4	New car designer, Lalbagh Fort Road, Mavalli, ...	12.954459	77.583222	8.887956e+06	2.961840e+06	5747.173218	1	3884.521019
5	Lalbagh Botanical Gardens, ಪಾದಚಾರಿ ಮಾರ್ಗ, Mava...	12.953369	77.585744	8.888556e+06	2.961840e+06	5840.376700	3	3719.680623
6	Lalbagh Botanical Gardens, ಪಾದಚಾರಿ ಮಾರ್ಗ, Mava...	12.952279	77.588267	8.889156e+06	2.961840e+06	5992.495307	0	3647.265321
7	St. Joseph's School, Cottonpete Main Road, K R...	12.962601	77.570305	8.884656e+06	2.962360e+06	5855.766389	1	5597.880918
8	Bangalore Medical College Hospitals, ಸುಬ್ಬಾಸ್ ...	12.961510	77.572829	8.885256e+06	2.962360e+06	5604.462508	1	5111.045994