```
mirror_mod.mirror_object
peration == "MIRROR_X":
"Irror_mod.use_x = True"
mirror_mod.use_y = False
"Irror_mod.use_z = False
 _operation == "MIRROR_Y":
irror_mod.use_x = False
mirror_mod.use_y = True
mirror_mod.use_z = False
  operation == "MIRROR Z";
  lrror_mod.use_x = False
  lrror_mod.use_y = False
  rror_mod.use_z = True
  election at the end -add
   ob_select= 1
   BM Capstone Project
   bpy.context.selected_ob
   Analysis on Indian Restaurants in NYC
  int("please select exact!
  -- OPERATOR CLASSES ----
```

Data

- List of Boroughs, Neighborhoods with latitudes and longitudes
 - Source https://cocl.us/new_york_dataset
 - Description A data frame with information is created using the data set.
 Longitudes and latitudes are obtained using geopy.
- Indian restaurants in NYC
 - Source Foursquare API
 - Description Indian restaurants will be filtered out from venue data obtained via Foursqaure. Further information like rating and tips are used for analysis in later stages. Specific restaurants will be mapped using folium.

Methodology

- 1. Obtain and filter relevant NYC data from https://cocl.us/new_york_dataset
- 2. Obtain venues in each neighbourhood using Foursquare
- 3. Filter Indian restaurants
- 4. Obtain rating, tips and other parameters for said restaurants
- 5. Rank restaurants using data
- 6. Visualize ranked data using Folium

Analysis

We create a new dataframe showing average rating for every neighborhood

```
[35]: ny_neighborhood_stats=indian_rest_stats_ny.groupby('Neighborhood',as_index=False).mean()[['Neighborhood','Rating']]
ny_neighborhood_stats.columns=['Neighborhood','Average Rating']
ny_neighborhood_stats.sort_values(['Average Rating'],ascending=False).head(10)
```

5]:		Neighborhood	Average Rating
	0	Astoria	9.0
	61	Sunnyside	9.0
	6	Blissville	9.0
	14	Clinton Hill	8.8
	25	Fort Greene	8.8
	48	Prospect Heights	8.7
	30	Greenwich Village	8.6
	65	Tribeca	8.6
	13	Civic Center	8.6
	63	Sutton Place	8.5

Similarly, average rating per borough is visualized in a dataframe

```
[32]: ny_borough_stats=indian_rest_stats_ny.groupby('Borough',as_index=False).mean()[['Borough','Rating']]
ny_borough_stats.columns=['Borough','Average Rating']
ny_borough_stats.sort_values(['Average Rating'],ascending=False).head()
```

2]:		Borough	Average Rating
	2	Manhattan	8.121212
	1	Brooklyn	7.429630
	0	Bronx	6.566667
	3	Queens	6.478378
	4	Staten Island	6.400000

Analysis

Identifying restaurant with maximum rating

```
[30]: indian_rest_stats_ny.iloc[indian_rest_stats_ny['Rating'].idxmax()]
      Borough
                                        Queens
       Neighborhood
                                       Astoria
       ID
                      4aa56c81f964a5204e4820e3
       Name
                           Seva Indian Cuisine
       Likes
                                           239
       Rating
                                           133
       Tips
      Name: 53, dtype: object
       Identifying restaurant with maximum tips
      indian_rest_stats_ny.iloc[indian_rest_stats_ny['Tips'].idxmax()]
[29]: Borough
                                      Manhattan
       Neighborhood
                                       Gramercy
       ID
                       4a12eb1ff964a52099771fe3
       Name
                                           Dhaba
       Likes
                                             497
      Rating
                                             8.3
       Tips
      Name: 50, dtype: object
      Identifying restaurant with maximum likes
     indian_rest_stats_ny.iloc[indian_rest_stats_ny['Likes'].idxmax()]
[28]: Borough
                                      Manhattan
      Neighborhood
                                        Tribeca
      ID
                       4bbb9dbded7776b0e1ad3e51
                               Tamarind TriBeCa
      Name
      Likes
      Rating
                                             8.6
      Tips
                                            148
      Name: 41, dtype: object
```

Data visualized using Folium



All neighborhoods with average rating above 8.0

Data visualized using Folium



Map of Boroughs based on rating

Conclusions

- Astoria(Queens), Blissvile(Queens) and Boerum Hill (Brooklyn) are amongst the best neighborhoods for Indian Restaurants
- Amongst boroughs, Manhattan is the best for Indian Restaurants followed by Brooklyn and Bronx
- NYC is filled with quality Indian Restaurants and also provide an outline of best neighborhoods to stay in. This analysis is useful not only for migrants interested in Indian cuisine but also individuals/groups who would like to start businesses in these areas.