**User Manual**

* At first user will have the choice either to compare or to analyze or to forecast the data. There will be 3 options.
* Then user is asked for number of data points. Given data points ask to input the data values. Then plot them in a graph.
* If choice is to analyze then separate the trend, seasonal components etc. and output them. At first program will output a graph depicting the form of trend
* If the data points depict a straight line it means presence of linear trend, a parabolic curve means presence of quadratic trend and exponential curve represents presence of exponential trend.
* Then the moving average will be obtained and fitting of trend will be done to separate out the trend component. After that Seasonal component will be obtained by Ratio to Moving Average method and the remaining series contains only error component.
* If choice is to compare then user will be asked among how many data sets user wants to compare. User will be asked to input the values to be compared. The data will be compared which would be shown in graphs with desired results.
* If choice is to forecast user will be asked for the desired time. Then output the result. User has to input the time by scaling it.
* To plot the graph, user has to install python 2 and matplot library.
* Type python Plot1.py from terminal. The Graph will get generated and it will save in a PDF file named figGDP.pdf.