	<pre>import numpy as np</pre>
In [2]:	<pre>import pandas as pd import seaborn as sns from matplotlib import pyplot as plt</pre>
In [3]:	<pre>import warnings warnings.filterwarnings('ignore')</pre>
In [4]: In [5]:	<pre>beml=pd.read_csv("C:\\Users\\Pranav\\Desktop\\DATA SCIENCE DATA\\CVC file\\BEML.csv") beml.head()</pre>
Out[5]:	<b>0</b> 2010-01-04 1121.0 1151.00 1121.00 1134.0 1135.60 101651.0 1157.18
	1       2010-01-05       1146.8       1149.00       1128.75       1135.0       1134.60       59504.0       676.47         2       2010-01-06       1140.0       1164.25       1130.05       1137.0       1139.60       128908.0       1482.84         3       2010-01-07       1142.0       1159.40       1119.20       1141.0       1144.15       117871.0       1352.98
To [C].	4 2010-01-08 1156.0 1172.00 1140.00 1141.2 1144.05 170063.0 1971.42
In [6]: In [7]:	<pre>glaxo=pd.read_csv("C:\\Users\\Pranav\\Desktop\\DATA SCIENCE DATA\\CVC file\\GLAXO.csv")  glaxo.head()</pre>
Out[7]:	Date         Open         High         Low         Last         Close         Total Trade Quantity         Turnover (Lacs)           0         2010-01-04         1613.00         1629.10         1602.00         1629.0         1625.65         9365.0         151.74           1         2010-01-05         1639.95         1639.95         1611.05         1620.0         1616.80         38148.0         622.58
	2       2010-01-06       1618.00       1644.00       1617.00       1639.0       1638.50       36519.0       595.09         3       2010-01-07       1645.00       1654.00       1648.0       1648.70       12809.0       211.00
In [8]:	4 2010-01-08 1650.00 1650.00 1626.55 1640.0 1639.80 28035.0 459.11  beml_df=beml[['Date','Close']]
In [9]:	<pre>glaxo_df=glaxo[['Date','Close']] beml_df.head()</pre>
Out[9]:	Date         Close           0         2010-01-04         1135.60           1         2010-01-05         1134.60
	<ul> <li>2 2010-01-06 1139.60</li> <li>3 2010-01-07 1144.15</li> </ul>
In [10]:	4 2010-01-08 1144.05  glaxo_df.head()
Out[10]:	Date         Close           0         2010-01-04         1625.65           1         2010-01-05         1616.80
	2 2010-01-06 1638.50 3 2010-01-07 1648.70
In [11]:	4 2010-01-08 1639.80  beml_df=beml_df.set_index(pd.DatetimeIndex(beml_df['Date'])).drop('Date', axis=1)  glave_df=glave_df_set_index(pd_DatetimeIndex(glave_df['Date'])).drop('Date', axis=1)
In [12]:	<pre>glaxo_df=glaxo_df.set_index(pd.DatetimeIndex(glaxo_df['Date'])).drop('Date', axis=1) beml_df.head()</pre>
Out[12]:	Close  Date 2010-01-04 1135.60
	<ul> <li>2010-01-05 1134.60</li> <li>2010-01-06 1139.60</li> <li>2010-01-07 1144.15</li> </ul>
	<b>2010-01-08</b> 1144.05
In [13]: Out[13]:	glaxo_df.head()  Close  Date
	<b>2010-01-04</b> 1625.65 <b>2010-01-05</b> 1616.80
	2010-01-06       1638.50         2010-01-07       1648.70         2010-01-08       1639.80
In [14]:	<pre>plt.plot(glaxo_df) plt.xlabel('time')</pre>
	<pre>plt.ylabel('close') plt.grid(True) plt.show()</pre>
	3500
	1500
In [15]:	2010 2011 2012 2013 2014 2015 2016 2017 time  plt.plot(beml_df)
	<pre>plt.xlabel('time') plt.ylabel('close') plt.grid(True) plt.show()</pre>
	1600
	1200 1000 8 800
	600
	200 2011 2012 2013 2014 2015 2016 2017 time
In [16]:	<pre>glaxo_df['gain']=glaxo_df.Close.pct_change(periods=1) beml_df['gain']=beml_df.Close.pct_change(periods=1)</pre>
In [17]: In [18]:	<pre>glaxo_df=glaxo_df.dropna() beml_df=beml_df.dropna()  glaxo_df</pre>
Out[18]:	g-taxo_ui
	Close gain
	Close         gain           Date         Close           2010-01-05         1616.80         -0.005444           2010-01-06         1638.50         0.013422           2010-01-07         1648.70         0.006225           2010-01-11         1629.45         -0.006312
	Date         gain           2010-01-05         1616.80         -0.005444           2010-01-06         1638.50         0.013422           2010-01-07         1648.70         0.006225           2010-01-18         1639.80         -0.005398           2016-12-26         2723.50         -0.001283           2016-12-27         2701.75         -0.007986
	Date         gain           2010-01-05         1616.80         -0.005444           2010-01-06         1638.50         0.013422           2010-01-07         1648.70         0.006225           2010-01-10         1639.80         -0.005398           2010-01-11         1629.45         -0.006312                2016-12-26         2723.50         -0.001283
	Close         gain           2010-01-05         1616.80         - 0.05444           2010-01-05         1638.50         0.013422           2010-01-05         1638.70         0.006225           2010-01-01         1629.45         0.005312           2016-12-26         2723.50         0.00786           2016-12-27         2701.75         0.00786           2016-12-29         2727.90         0.009529           2016-12-30         2729.90         0.00697           1738 rows × 2 colums
	Close         gain           Date         Close         gain           2010-01-05         161.60         -0.05444           2010-01-05         168.70         0.006225           2010-01-05         169.80         -0.005398           2010-01-10         1629.45         -0.006312           2016-12-26         2723.50         -0.001283           2016-12-27         2701.75         -0.007886           2016-12-29         2727.90         0.009529           2016-12-30         2729.80         0.000697
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	Ciose gain  Date  2010-01-05 1618.80 -0.005444  2010-01-06 1638.95 0.013-22  2010-01-07 1648.70 0.005225  2010-01-01 1629.45 -0.005312
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In [20]:  In [22]:	Dec   Part   Dec
In [20]:  In [22]:	Note   1999
In [20]:  In [22]:	No.   10   10   10   10   10   10   10   1
<pre>In [19]: In [20]: In [22]: Out[23]:</pre>	March   Marc