

```
In [1]: from sklearn import tree
from pandas import read_csv
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
df= read_csv("AXISBANK.csv")

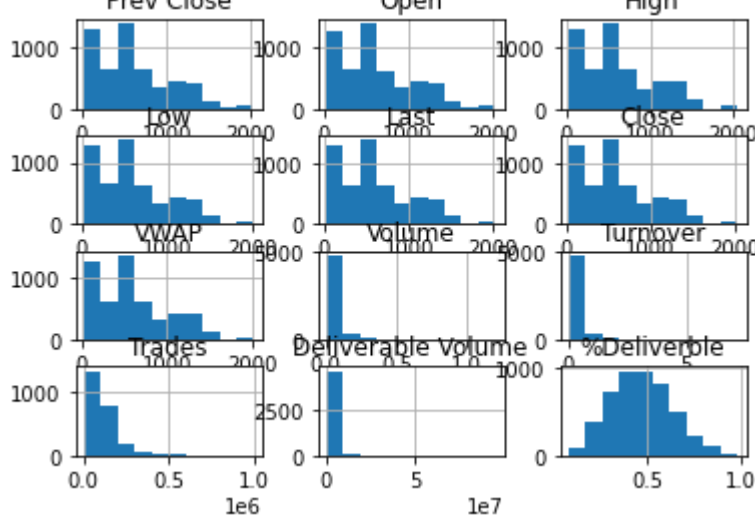
In [2]: df
```

	Date	Symbol	Series	Prev Close	Open	High	Low	Last	Close	VWAP	Volume	Turnover	Trades	Deliverable Volume	%Deliverb
0	2000-01-03	UTIBANK	EQ	24.70	26.7	26.70	26.70	26.70	26.70	26.70	112100	2.993070e+11	NaN	NaN	Na
1	2000-01-04	UTIBANK	EQ	26.70	27.0	28.70	26.50	27.00	26.85	27.24	234500	6.387275e+11	NaN	NaN	Na
2	2000-01-05	UTIBANK	EQ	26.85	26.0	27.75	25.50	26.40	26.30	26.24	170100	4.462980e+11	NaN	NaN	Na
3	2000-01-06	UTIBANK	EQ	26.30	25.8	27.00	25.80	25.90	25.95	26.27	102100	2.681730e+11	NaN	NaN	Na
4	2000-01-07	UTIBANK	EQ	25.95	25.0	26.00	24.25	25.00	24.80	25.04	62600	1.567220e+11	NaN	NaN	Na
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5301	2021-04-26	AXISBANK	EQ	671.35	694.0	703.80	684.50	699.50	700.45	695.33	21646184	1.505120e+15	286480.0	5949937.0	0.274
5302	2021-04-27	AXISBANK	EQ	700.45	691.1	703.90	684.10	700.90	699.55	692.83	46559967	3.225830e+15	289445.0	18080082.0	0.388
5303	2021-04-28	AXISBANK	EQ	699.55	708.0	712.50	688.15	705.95	708.15	701.92	54060587	3.794635e+15	507747.0	17851331.0	0.330
5304	2021-04-29	AXISBANK	EQ	708.15	712.0	726.90	707.00	717.10	719.40	717.41	25939327	1.860920e+15	312079.0	7357520.0	0.283
5305	2021-04-30	AXISBANK	EQ	719.40	705.0	729.85	705.00	711.65	714.90	719.36	23011654	1.655365e+15	232879.0	6786072.0	0.294

5306 rows × 15 columns

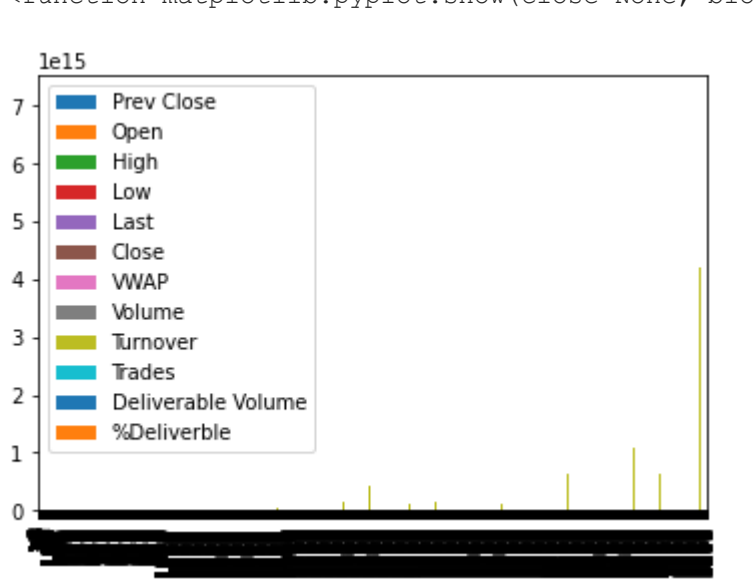
```
In [3]: df.hist()
plt.show
```

<function matplotlib.pyplot.show(close=None, block=None)>



```
In [4]: df.plot.bar()
plt.show
```

<function matplotlib.pyplot.show(close=None, block=None)>

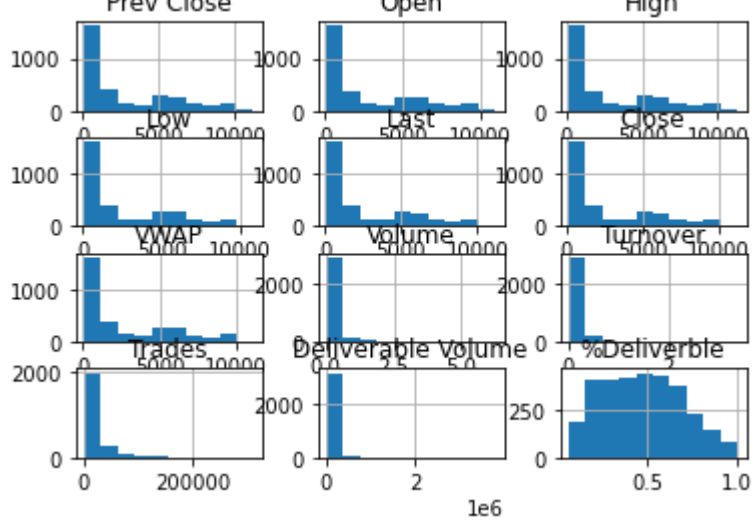


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In [5]: df1=read_csv("BAJAJFINSV.csv")
df1
```

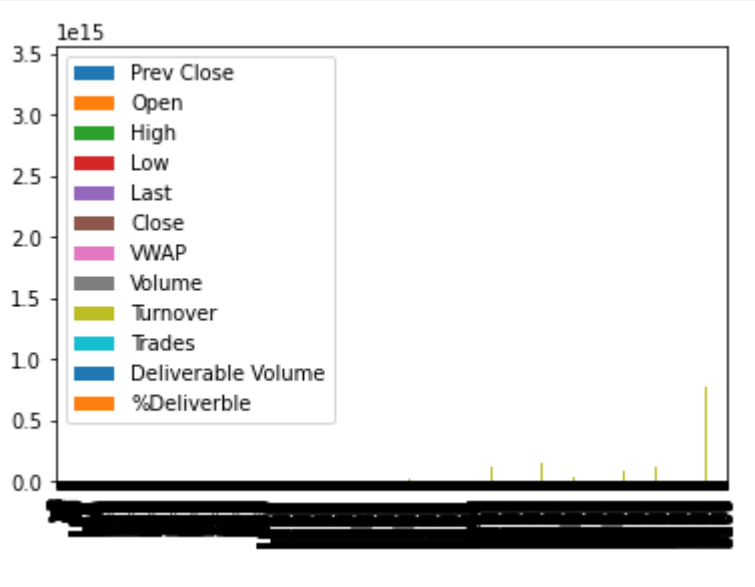
	Date	Symbol	Series	Prev Close	Open	High	Low	Last	Close	VWAP	Volume	Turnover	Trades	Deliverable Volume	%Deliverble
0	2008-05-26	BAJAJFINSV	EQ	2101.05	600.00	619.00	501.00	505.10	509.10	548.85	3145446	1.726368e+14	NaN	NaN	90
1	2008-05-27	BAJAJFINSV	EQ	509.10	505.00	610.95	491.10	564.00	554.65	572.15	4349144	2.488370e+14	NaN	NaN	67
2	2008-05-28	BAJAJFINSV	EQ	554.65	564.00	665.60	564.00	643.00	640.95	618.37	4588759	2.837530e+14	NaN	NaN	77
3	2008-05-29	BAJAJFINSV	EQ	640.95	656.65	703.00	608.00	634.50	632.40	659.60	4522302	2.982921e+14	NaN	NaN	100
4	2008-05-30	BAJAJFINSV	EQ	632.40	642.40	668.00	588.30	647.00	644.00	636.41	3057669	1.945929e+14	NaN	NaN	46
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3196	2021-04-26	BAJAJFINSV	EQ	9916.65	9992.00	10125.00	9902.20	10000.85	10001.75	9995.72	419596	4.194163e+14	45113.0	NaN	7
3197	2021-04-27	BAJAJFINSV	EQ	10001.75	10000.00	10133.00	9964.70	10133.00	10091.35	10036.76	342847	3.441072e+14	40414.0	NaN	7
3198	2021-04-28	BAJAJFINSV	EQ	10091.35	10200.00	10615.95	10151.15	10480.00	10489.30	10445.96	1113881	1.163556e+15	126354.0	NaN	13
3199	2021-04-29	BAJAJFINSV	EQ	10489.30	10540.00	11300.00	10520.00	11175.45	11176.55	10980.40	1696498	1.862822e+15	165425.0	NaN	19
3200	2021-04-30	BAJAJFINSV	EQ	11176.55	11000.00	11225.00	10868.70	11021.00	11041.65	11081.78	835355	9.257223e+14	85986.0	NaN	12

3201 rows × 15 columns

```
In [6]: df1.hist()
plt.show()
```

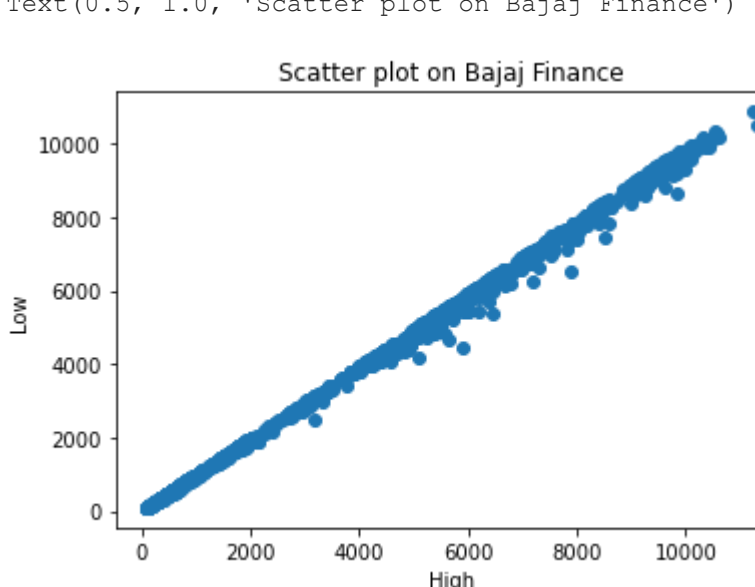


```
In [7]: df1.plot.bar()
plt.show()
```

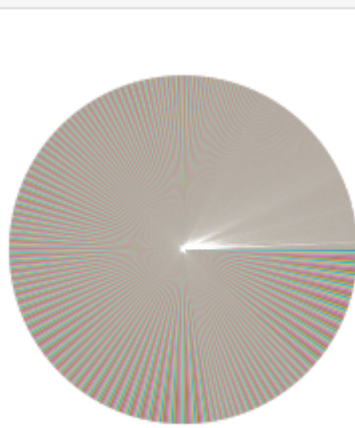


```
In [8]: plt.scatter(df1['High'],df1['Low'])
plt.xlabel('High')
plt.ylabel('Low')
plt.title('Scatter plot on Bajaj Finance')
```

Text(0.5, 1.0, 'Scatter plot on Bajaj Finance')



```
In [9]: plt.pie(df1['High'])
plt.show()
```



```
In [10]: df2=read_csv("AXISBANK.csv")
x=np.array(df.drop(["Open"],1))
y=np.array(df["Open"])
```

C:\Users\Cyрил\AppData\Local\Temp\ipykernel\_6200\3335944372.py:2: FutureWarning: In a future version of pandas all arguments of DataFrame.drop except for the argument 'labels' will be keyword-only
x=np.array(df.drop(["Open"],1))

```
In [11]: x
```

array([[ '2000-01-03', 'UTIBANK', 'EQ', ..., nan, nan, nan],
[ '2000-01-04', 'UTIBANK', 'EQ', ..., nan, nan, nan],
[ '2000-01-05', 'UTIBANK', 'EQ', ..., nan, nan, nan],
...,
[ '2021-04-28', 'AXISBANK', 'EQ', ..., 507747.0, 17851331.0,
0.3302],
[ '2021-04-29', 'AXISBANK', 'EQ', ..., 312079.0, 7357520.0, 0.2836],
[ '2021-04-30', 'AXISBANK', 'EQ', ..., 232879.0, 6786072.0, 0.2949]],
dtype=object)

```
In [12]: droppedDF=df2.dropna()
```

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In [13]: droppedDF
```

	Date	Symbol	Series	Prev Close	Open	High	Low	Last	Close	VWAP	Volume	Turnover	Trades	Deliverable Volume	%Deliverble
2850	2011-06-01	AXISBANK	EQ	1282.50	1282.25	1291.75	1265.20	1277.25	1278.25	1278.97	792282	1.013307e+14	26996.0	168311.0	NaN
2851	2011-06-02	AXISBANK	EQ	1278.25	1255.10	1285.00	1255.10	1280.00	1273.75	1271.87	867797	1.103726e+14	29661.0	329956.0	NaN
2852	2011-06-03	AXISBANK	EQ	1273.75	1272.00	1288.00	1224.00	1243.00	1242.75	1258.90	1413508	1.779467e+14	45306.0	589189.0	NaN
2853	2011-06-06	AXISBANK	EQ	1242.75	1242.00	1242.00	1208.15	1235.10	1235.45	1226.10	1886949	2.313594e+14	46968.0	970371.0	NaN
2854	2011-06-07	AXISBANK	EQ	1235.45	1227.00	1252.90	1224.75	1245.80	1244.65	1243.60	1043816	1.298086e+14	30220.0	411664.0	NaN
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5301	2021-04-26	AXISBANK	EQ	671.35	694.00	703.80	684.50	699.50	700.45	695.33	21646184	1.505120e+15	286480.0	5949937.0	0.274
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2456 rows × 15 columns