

```
In [1]: #import pandas library
import pandas as pd
#load file
file = pd.read_csv("https://raw.githubusercontent.com/collegefoundation/stock-an
print(file)
```

	Name	Price	Day Price Change	Change %	\
0	Reliance Industries	1,264.60	-0.50	-0.04%	
1	Tata Consultancy Services	4,073.15	-39.25	-0.95%	
2	HDFC Bank	1,690.95	-7.80	-0.46%	
3	Bharti Airtel	1,623.25	-3.05	-0.19%	
4	ICICI Bank	1,255.55	2.75	0.22%	
..	
96	Indusind Bank	1,009.40	18.20	1.84%	
97	Adani Total Gas	634.75	-8.35	-1.30%	
98	Bharat Heavy Electricals	200.02	-8.07	-3.88%	
99	IRCTC	794.7	-27.60	-3.36%	
100	ITC Hotels	170.75	7.80	4.79%	

	Volume	PE Ratio (TTM)	Market Cap	FII Holding	PE/Sector	PE	\
0	71,18,453.00	24.74	17,11,303.88	19.15		1.52	
1	4,37,172.00	30.49	14,73,701.32	12.68		0.82	
2	27,93,764.00	18.68	12,93,191.18	49.20		1.33	
3	27,41,589.00	65.23	9,24,576.10	24.27		2.48	
4	30,11,914.00	17.98	8,86,169.68	45.69		1.28	
..	
96	60,54,296.00	10.66	78,637.48	24.74		0.76	
97	7,45,119.00	106.02	69,810.45	13.06		3.06	
98	2,48,72,103.00	139.7	69,648.23	7.98		2.30	
99	39,90,832.00	54.69	63,576.00	7.45		1.37	
100	66,95,119.00	-	35,536.00	24.35		0.00	

	Dividend Per Share	Promoter Holding	DII Holding	DII Holding Change %	\
0	10	50.13	19.10	0.79	
1	73	71.77	10.91	0.00	
2	19.5	0.00	34.56	-0.75	
3	8	53.11	19.63	0.81	
4	10	0.00	44.95	0.78	
..	
96	16.5	16.29	42.81	7.73	
97	0.25	74.80	6.27	0.14	
98	0.25	63.17	15.49	0.80	
99	6.5	62.40	13.72	-0.21	
100	-	39.88	26.70	13.13	

	FII Holding Change %	Retail Investor Holding	Revenue (Quarterly)	\
0	-1.02	9.01	2,44,200.00	
1	0.02	4.08	65,216.00	
2	1.19	12.63	1,12,194.00	
3	-0.81	1.96	42,801.90	
4	-0.52	7.14	74,644.80	
..	
96	-9.36	10.10	15,155.80	
97	-0.01	5.36	1,302.50	
98	-1.51	11.81	7,403.30	
99	-0.09	15.33	1,124.00	
100	16.65	7.31	1.6	

	Dividend Yield	EBITDA (Quarterly)
0	0.40	43,934.00
1	1.78	17,460.00
2	1.14	23,968.40
3	0.50	21,717.80
4	0.79	18,541.70
..
96	1.66	1,779.70

97	0.04	321.8
98	0.12	402.9
99	0.79	428.6
100	0.00	0.7

[101 rows x 18 columns]

```
In [12]: # to display information
file.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 101 entries, 0 to 100
Data columns (total 18 columns):
#   Column                                Non-Null Count  Dtype
---  -
0   Name                                  101 non-null    object
1   Price                                101 non-null    object
2   Day Price Change                      101 non-null    float64
3   Change %                             101 non-null    object
4   Volume                               101 non-null    object
5   PE Ratio (TTM)                       101 non-null    object
6   Market Cap                           101 non-null    object
7   FII Holding                          101 non-null    float64
8   PE/Sector PE                         101 non-null    float64
9   Dividend Per Share                   101 non-null    object
10  Promoter Holding                     101 non-null    float64
11  DII Holding                          101 non-null    float64
12  DII Holding Change %                 101 non-null    float64
13  FII Holding Change %                 101 non-null    float64
14  Retail Investor Holding              101 non-null    float64
15  Revenue (Quarterly)                  101 non-null    object
16  Dividend Yield                       101 non-null    float64
17  EBITDA (Quarterly)                   101 non-null    object
dtypes: float64(9), object(9)
memory usage: 14.3+ KB
```

```
In [14]: # to show first 10 records
file.head(10)
```

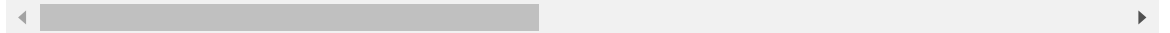
Out[14]:

	Name	Price	Day Price Change	Change %	Volume	PE Ratio (TTM)	Market Cap	FII Holding
0	Reliance Industries	1,264.60	-0.50	-0.04%	71,18,453.00	24.74	17,11,303.88	19.15
1	Tata Consultancy Services	4,073.15	-39.25	-0.95%	4,37,172.00	30.49	14,73,701.32	12.68
2	HDFC Bank	1,690.95	-7.80	-0.46%	27,93,764.00	18.68	12,93,191.18	49.20
3	Bharti Airtel	1,623.25	-3.05	-0.19%	27,41,589.00	65.23	9,24,576.10	24.27
4	ICICI Bank	1,255.55	2.75	0.22%	30,11,914.00	17.98	8,86,169.68	45.69
5	Infosys	1,851.35	-28.45	-1.51%	17,01,402.00	28.23	7,68,730.36	33.30
6	State Bank of India	766	-6.90	-0.89%	93,63,077.00	8.98	6,83,625.89	10.28
7	Hindustan Unilever	2,506.05	37.25	1.51%	29,70,999.00	56.09	5,88,819.32	11.43
8	ITC	462.55	15.05	3.36%	3,03,93,007.00	27.26	5,78,729.16	40.17
9	LIC of India	848.2	2.75	0.33%	18,90,501.00	12.88	5,36,486.30	0.07

In [16]: *# to show last 10 records*
 file.tail(10)

Out[16]:

	Name	Price	Day Price Change	Change %	Volume	PE Ratio (TTM)	Market Cap	FII Holding	F
91	Bosch	28,689.25	-39.90	-0.14%	9,383.00	41.86	84,615.04	6.14	
92	Canara Bank	92.62	-0.65	-0.70%	1,62,82,476.00	5.15	84,012.37	11.11	
93	JSW Energy	472	-36.60	-7.20%	57,69,497.00	46.96	82,494.67	14.56	
94	NHPC	78.84	-1.71	-2.12%	2,75,42,115.00	27.09	79,195.05	8.78	
95	Jindal Steel	776.35	-15.20	-1.92%	42,62,499.00	19.77	79,194.54	10.99	
96	Indusind Bank	1,009.40	18.20	1.84%	60,54,296.00	10.66	78,637.48	24.74	
97	Adani Total Gas	634.75	-8.35	-1.30%	7,45,119.00	106.02	69,810.45	13.06	
98	Bharat Heavy Electricals	200.02	-8.07	-3.88%	2,48,72,103.00	139.7	69,648.23	7.98	
99	IRCTC	794.7	-27.60	-3.36%	39,90,832.00	54.69	63,576.00	7.45	
100	ITC Hotels	170.75	7.80	4.79%	66,95,119.00	-	35,536.00	24.35	



In [56]: `# to show random 100 stock`
`file.sample(100)`

Out[56]:

	Name	Price	Day Price Change	Change %	Volume	PE Ratio (TTM)	Market Cap	Hi
27	Tata Motors	706.55	-9.55	-1.33%	1,40,87,493.00	8.28	2,60,089.88	
34	Asian Paints	2,351.15	50.35	2.19%	13,18,652.00	46.97	2,25,521.79	
58	Hindalco Industries	586.45	-7.85	-1.32%	17,40,719.00	10.23	1,31,788.60	
87	Adani Energy Solutions	746.05	-2.30	-0.31%	11,26,229.00	42.24	89,621.69	
39	Adani Power	514.3	1.10	0.21%	68,79,672.00	15.18	1,98,362.37	
26	Avenue Supermarts DMart	4,023.75	359.10	9.80%	31,23,773.00	87.68	2,61,838.72	
50	Adani Green Energy	996.5	-1.05	-0.11%	42,30,202.00	102.16	1,57,848.84	
36	Trent	6,189.50	436.30	7.58%	21,20,509.00	149.99	2,20,028.96	
33	Zomato	236.32	15.97	7.25%	8,52,97,849.00	319.35	2,28,057.09	
24	Power Grid Corporation of India	289.85	-11.80	-3.91%	69,45,157.00	17.87	2,69,578.00	
29	Hindustan Aeronautics	3,774.95	-161.85	-4.11%	45,70,653.00	30.96	2,52,459.22	
77	Havells	1,656.20	90.00	5.75%	15,23,321.00	70.1	1,03,834.09	
14	Maruti Suzuki	12,916.50	605.85	4.92%	11,01,170.00	26.61	4,06,098.08	
76	Tata Consumer Products	1,069.85	45.20	4.41%	30,77,657.00	76.98	1,05,857.23	
64	TVS Motors	2,555.10	97.20	3.95%	21,48,989.00	59.13	1,21,389.51	
17	UltraTech Cement	11,259.15	-228.30	-1.99%	5,13,602.00	52.96	3,25,049.48	
0	Reliance Industries	1,264.60	-0.50	-0.04%	71,18,453.00	24.74	17,11,303.88	
63	Godrej Consumer Products	1,191.70	70.45	6.28%	27,96,848.00	66.51	1,21,911.85	
30	Coal India	385.3	-10.60	-2.68%	70,15,540.00	7.08	2,37,449.92	
4	ICICI Bank	1,255.55	2.75	0.22%	30,11,914.00	17.98	8,86,169.68	
28	Bajaj Auto	9,155.60	307.80	3.48%	4,18,755.00	32.81	2,55,677.10	
95	Jindal Steel	776.35	-15.20	-1.92%	42,62,499.00	19.77	79,194.54	
94	NHPC	78.84	-1.71	-2.12%	2,75,42,115.00	27.09	79,195.05	
88	Hero Motocorp	4,402.15	63.00	1.45%	11,41,242.00	20.98	88,042.79	

	Name	Price	Day Price Change	Change %	Volume	PE Ratio (TTM)	Market Cap	H
31	Adani Ports & SEZ	1,084.10	-15.25	-1.39%	49,19,797.00	22.35	2,34,180.66	
72	Bank of Baroda	210.84	-2.55	-1.19%	1,61,53,674.00	5.4	1,09,033.00	
47	Tata Steel	132.97	-1.65	-1.23%	2,11,73,846.00	55.41	1,65,993.46	
78	Info Edge	7,784.40	60.70	0.79%	1,01,718.00	191.6	1,00,873.46	
98	Bharat Heavy Electricals	200.02	-8.07	-3.88%	2,48,72,103.00	139.7	69,648.23	
80	Samvardhana Motherson International	142.63	1.37	0.97%	70,62,439.00	26.24	1,00,358.68	
66	ABB	5,499.50	-375.15	-6.39%	5,10,445.00	73.77	1,16,539.01	
48	Tech Mahindra	1,646.40	-28.05	-1.68%	4,10,470.00	43.75	1,61,132.82	
37	Bharat Electronics	281.8	-10.85	-3.71%	6,18,32,253.00	42.87	2,05,989.57	
5	Infosys	1,851.35	-28.45	-1.51%	17,01,402.00	28.23	7,68,730.36	
91	Bosch	28,689.25	-39.90	-0.14%	9,383.00	41.86	84,615.04	
51	Jio Financial Services	241.51	-0.14	-0.06%	2,40,79,793.00	95.61	1,53,434.72	
21	Axis Bank	998.15	12.05	1.22%	48,30,391.00	10.84	3,08,923.89	
65	Tata Power	368.4	3.90	1.07%	1,44,85,333.00	30.58	1,17,716.31	
8	ITC	462.55	15.05	3.36%	3,03,93,007.00	27.26	5,78,729.16	
57	Power Finance Corporation	404.05	-18.45	-4.37%	1,01,36,985.00	6.58	1,33,340.61	
41	DLF	760.65	15.60	2.09%	29,92,277.00	49.12	1,88,284.84	
52	Pidilite Industries	2,947.25	75.55	2.63%	1,64,680.00	72.86	1,49,910.71	
12	HCL Technologies	1,694.00	-31.45	-1.82%	5,69,018.00	27.43	4,59,694.87	
32	JSW Steel	934.25	-10.75	-1.14%	13,39,508.00	65.36	2,28,466.54	
45	Interglobe Aviation	4,492.40	168.05	3.89%	6,42,870.00	27.46	1,73,582.00	
6	State Bank of India	766	-6.90	-0.89%	93,63,077.00	8.98	6,83,625.89	
18	Oil & Natural Gas Corporation	257.55	-5.06	-1.93%	1,09,21,673.00	7.79	3,24,005.09	

	Name	Price	Day Price Change	Change %	Volume	PE Ratio (TTM)	Market Cap	H
55	SBI Life Insurance	1,454.35	-29.25	-1.97%	43,29,907.00	61.69	1,45,732.42	
49	Grasim Industries	2,440.75	-68.10	-2.71%	4,32,668.00	33.73	1,60,725.75	
56	HDFC Life Insurance	625.5	-12.55	-1.97%	1,00,39,413.00	78.59	1,34,657.82	
92	Canara Bank	92.62	-0.65	-0.70%	1,62,82,476.00	5.15	84,012.37	
60	Macrotech Developers	1,280.15	75.65	6.28%	12,69,754.00	47.86	1,27,609.80	
85	Dabur	539.1	9.25	1.75%	49,21,220.00	52.21	95,545.50	
82	Shree Cement	27,363.75	-432.15	-1.55%	30,109.00	82.08	98,730.46	
10	Bajaj Finance	8,000.10	115.00	1.46%	16,15,378.00	30.54	4,95,203.37	
44	LTI Mindtree	5,906.30	-7.85	-0.13%	1,04,183.00	38.36	1,74,995.13	
3	Bharti Airtel	1,623.25	-3.05	-0.19%	27,41,589.00	65.23	9,24,576.10	
35	Nestle	2,327.20	14.00	0.61%	12,46,565.00	71.08	2,24,378.65	
54	Eicher Motors	5,390.15	195.85	3.77%	6,09,534.00	33.38	1,47,761.51	
46	Vedanta	439.9	-1.50	-0.34%	67,36,515.00	14.86	1,72,017.97	
89	ICICI Prudential Life Insurance	606	-10.00	-1.62%	34,51,517.00	91.48	87,579.41	
73	United Spirits	1,498.10	74.10	5.20%	14,26,531.00	70.48	1,08,964.43	
97	Adani Total Gas	634.75	-8.35	-1.30%	7,45,119.00	106.02	69,810.45	
83	Apollo Hospitals	6,841.10	30.60	0.45%	1,17,096.00	82.83	98,364.52	
9	LIC of India	848.2	2.75	0.33%	18,90,501.00	12.88	5,36,486.30	
90	Union Bank of India	112.44	-3.05	-2.64%	88,92,952.00	5.39	85,832.26	
7	Hindustan Unilever	2,506.05	37.25	1.51%	29,70,999.00	56.09	5,88,819.32	
84	Zydus Life Science	975.8	5.55	0.57%	2,70,706.00	22.82	98,188.31	
25	Adani Enterprises	2,270.00	-17.80	-0.78%	9,87,362.00	67.46	2,61,999.03	
16	Kotak Bank	1,903.10	1.80	0.09%	10,96,357.00	19.24	3,78,367.52	
75	Cholamandalam Investment	1,265.50	-20.35	-1.58%	12,21,548.00	26.56	1,06,400.85	

	Name	Price	Day Price Change	Change %	Volume	PE Ratio (TTM)	Market Cap	H
79	Dr Reddys Laboratories	1,204.95	-12.40	-1.02%	10,67,956.00	18.92	1,00,542.34	
71	Bharat Petroleum	255.65	-5.45	-2.09%	1,14,64,565.00	8.09	1,10,913.90	
53	Divis Laboratories	5,618.55	40.85	0.73%	1,08,307.00	80.62	1,49,154.85	
61	Britannia Industries	5,201.35	71.70	1.40%	6,34,040.00	57.39	1,25,284.03	
67	Cipla	1,439.50	-39.90	-2.70%	13,06,859.00	23.95	1,16,256.04	
20	Titan	3,552.00	61.75	1.77%	21,86,692.00	95.53	3,15,341.64	
19	Wipro	304.8	-7.10	-2.28%	60,46,117.00	26.35	3,19,061.86	
40	Varun Beverages	561.4	24.65	4.59%	64,32,166.00	71.37	1,89,837.97	
99	IRCTC	794.7	-27.60	-3.36%	39,90,832.00	54.69	63,576.00	
38	Siemens	5,748.25	-325.10	-5.35%	5,08,897.00	86.26	2,04,706.97	
22	NTPC	317.7	-6.30	-1.94%	1,00,97,627.00	14.3	3,08,063.08	
62	Ambuja Cements	501.5	-11.30	-2.20%	55,27,354.00	30.3	1,23,525.64	
13	Sun Pharmaceutical	1,742.20	-1.75	-0.10%	14,77,972.00	35.46	4,18,012.14	
2	HDFC Bank	1,690.95	-7.80	-0.46%	27,93,764.00	18.68	12,93,191.18	
74	Torrent Pharmaceuticals	3,207.70	-61.40	-1.88%	1,05,407.00	59.24	1,08,563.14	
42	IRFC	141.22	-9.72	-6.44%	7,68,93,891.00	30.19	1,84,553.44	
15	Mahindra & Mahindra	3,076.75	86.90	2.91%	26,74,573.00	31.35	3,82,602.73	
70	Rural Electrification Corporation	427.85	-22.00	-4.89%	94,70,953.00	7.96	1,12,662.49	
96	Indusind Bank	1,009.40	18.20	1.84%	60,54,296.00	10.66	78,637.48	
59	Bajaj Holdings & Investments	11,754.00	194.30	1.68%	25,068.00	17.11	1,30,814.39	
100	ITC Hotels	170.75	7.80	4.79%	66,95,119.00	-	35,536.00	
93	JSW Energy	472	-36.60	-7.20%	57,69,497.00	46.96	82,494.67	
43	Indian Oil Corporation	125.42	-3.07	-2.39%	1,05,35,114.00	20.21	1,77,108.57	
23	Bajaj Finserv	1,754.00	17.90	1.03%	28,87,325.00	32.35	2,80,054.53	

	Name	Price	Day Price Change	Change %	Volume	PE Ratio (TTM)	Market Cap	H
68	GAIL	175.6	-1.52	-0.86%	1,44,51,252.00	11.06	1,15,458.75	
69	Punjab National Bank	99.35	-1.85	-1.83%	2,99,73,719.00	6.9	1,14,182.39	
1	Tata Consultancy Services	4,073.15	-39.25	-0.95%	4,37,172.00	30.49	14,73,701.32	
86	ICICI Lombard General Insurance	1,879.95	21.45	1.15%	3,07,383.00	36.53	93,086.65	
11	Larsen & Toubro	3,447.50	-119.90	-3.36%	47,52,505.00	35.38	4,74,076.29	

```
In [26]: # to check the share of file
print("Shape of the File: ", file.shape)
```

Shape of the File: (101, 18)

```
In [30]: # to shaw the datatype of all column
file.dtypes
```

```
Out[30]: Name                object
Price                object
Day Price Change    float64
Change %            object
Volume              object
PE Ratio (TTM)      object
Market Cap          object
FII Holding         float64
PE/Sector PE        float64
Dividend Per Share  object
Promoter Holding    float64
DII Holding         float64
DII Holding Change % float64
FII Holding Change % float64
Retail Investor Holding float64
Revenue (Quarterly) object
Dividend Yield      float64
EBITDA (Quarterly) object
dtype: object
```

```
In [41]: # fatch the dublication data
duplicate_records = file[file.duplicated()]

file_unique = file.drop_duplicates()
# no dublicate file
```

```
In [50]: # to show all data of file
df = pd.DataFrame(file)

# Display all rows and columns
```

```
pd.set_option('display.max_rows', None)
pd.set_option('display.max_columns', None)

# Show the DataFrame
print(df)
```

	Name	Price	Day Price Change \
0	Reliance Industries	1,264.60	-0.50
1	Tata Consultancy Services	4,073.15	-39.25
2	HDFC Bank	1,690.95	-7.80
3	Bharti Airtel	1,623.25	-3.05
4	ICICI Bank	1,255.55	2.75
5	Infosys	1,851.35	-28.45
6	State Bank of India	766	-6.90
7	Hindustan Unilever	2,506.05	37.25
8	ITC	462.55	15.05
9	LIC of India	848.2	2.75
10	Bajaj Finance	8,000.10	115.00
11	Larsen & Toubro	3,447.50	-119.90
12	HCL Technologies	1,694.00	-31.45
13	Sun Pharmaceutical	1,742.20	-1.75
14	Maruti Suzuki	12,916.50	605.85
15	Mahindra & Mahindra	3,076.75	86.90
16	Kotak Bank	1,903.10	1.80
17	UltraTech Cement	11,259.15	-228.30
18	Oil & Natural Gas Corporation	257.55	-5.06
19	Wipro	304.8	-7.10
20	Titan	3,552.00	61.75
21	Axis Bank	998.15	12.05
22	NTPC	317.7	-6.30
23	Bajaj Finserv	1,754.00	17.90
24	Power Grid Corporation of India	289.85	-11.80
25	Adani Enterprises	2,270.00	-17.80
26	Avenue Supermarts DMart	4,023.75	359.10
27	Tata Motors	706.55	-9.55
28	Bajaj Auto	9,155.60	307.80
29	Hindustan Aeronautics	3,774.95	-161.85
30	Coal India	385.3	-10.60
31	Adani Ports & SEZ	1,084.10	-15.25
32	JSW Steel	934.25	-10.75
33	Zomato	236.32	15.97
34	Asian Paints	2,351.15	50.35
35	Nestle	2,327.20	14.00
36	Trent	6,189.50	436.30
37	Bharat Electronics	281.8	-10.85
38	Siemens	5,748.25	-325.10
39	Adani Power	514.3	1.10
40	Varun Beverages	561.4	24.65
41	DLF	760.65	15.60
42	IRFC	141.22	-9.72
43	Indian Oil Corporation	125.42	-3.07
44	LTI Mindtree	5,906.30	-7.85
45	Interglobe Aviation	4,492.40	168.05
46	Vedanta	439.9	-1.50
47	Tata Steel	132.97	-1.65
48	Tech Mahindra	1,646.40	-28.05
49	Grasim Industries	2,440.75	-68.10
50	Adani Green Energy	996.5	-1.05
51	Jio Financial Services	241.51	-0.14
52	Pidilite Industries	2,947.25	75.55
53	Divis Laboratories	5,618.55	40.85
54	Eicher Motors	5,390.15	195.85
55	SBI Life Insurance	1,454.35	-29.25
56	HDFC Life Insurance	625.5	-12.55
57	Power Finance Corporation	404.05	-18.45
58	Hindalco Industries	586.45	-7.85

59	Bajaj Holdings & Investments	11,754.00	194.30
60	Macrotech Developers	1,280.15	75.65
61	Britannia Industries	5,201.35	71.70
62	Ambuja Cements	501.5	-11.30
63	Godrej Consumer Products	1,191.70	70.45
64	TVS Motors	2,555.10	97.20
65	Tata Power	368.4	3.90
66	ABB	5,499.50	-375.15
67	Cipla	1,439.50	-39.90
68	GAIL	175.6	-1.52
69	Punjab National Bank	99.35	-1.85
70	Rural Electrification Corporation	427.85	-22.00
71	Bharat Petroleum	255.65	-5.45
72	Bank of Baroda	210.84	-2.55
73	United Spirits	1,498.10	74.10
74	Torrent Pharmaceuticals	3,207.70	-61.40
75	Cholamandalam Investment	1,265.50	-20.35
76	Tata Consumer Products	1,069.85	45.20
77	Havells	1,656.20	90.00
78	Info Edge	7,784.40	60.70
79	Dr Reddys Laboratories	1,204.95	-12.40
80	Samvardhana Motherson International	142.63	1.37
81	Shriram Finance	531.8	-11.95
82	Shree Cement	27,363.75	-432.15
83	Apollo Hospitals	6,841.10	30.60
84	Zydus Life Science	975.8	5.55
85	Dabur	539.1	9.25
86	ICICI Lombard General Insurance	1,879.95	21.45
87	Adani Energy Solutions	746.05	-2.30
88	Hero Motocorp	4,402.15	63.00
89	ICICI Prudential Life Insurance	606	-10.00
90	Union Bank of India	112.44	-3.05
91	Bosch	28,689.25	-39.90
92	Canara Bank	92.62	-0.65
93	JSW Energy	472	-36.60
94	NHPC	78.84	-1.71
95	Jindal Steel	776.35	-15.20
96	Indusind Bank	1,009.40	18.20
97	Adani Total Gas	634.75	-8.35
98	Bharat Heavy Electricals	200.02	-8.07
99	IRCTC	794.7	-27.60
100	ITC Hotels	170.75	7.80

	Change %	Volume	PE Ratio (TTM)	Market Cap	FII Holding \
0	-0.04%	71,18,453.00	24.74	17,11,303.88	19.15
1	-0.95%	4,37,172.00	30.49	14,73,701.32	12.68
2	-0.46%	27,93,764.00	18.68	12,93,191.18	49.20
3	-0.19%	27,41,589.00	65.23	9,24,576.10	24.27
4	0.22%	30,11,914.00	17.98	8,86,169.68	45.69
5	-1.51%	17,01,402.00	28.23	7,68,730.36	33.30
6	-0.89%	93,63,077.00	8.98	6,83,625.89	10.28
7	1.51%	29,70,999.00	56.09	5,88,819.32	11.43
8	3.36%	3,03,93,007.00	27.26	5,78,729.16	40.17
9	0.33%	18,90,501.00	12.88	5,36,486.30	0.07
10	1.46%	16,15,378.00	30.54	4,95,203.37	20.79
11	-3.36%	47,52,505.00	35.38	4,74,076.29	20.83
12	-1.82%	5,69,018.00	27.43	4,59,694.87	19.38
13	-0.10%	14,77,972.00	35.46	4,18,012.14	18.05
14	4.92%	11,01,170.00	26.61	4,06,098.08	15.47
15	2.91%	26,74,573.00	31.35	3,82,602.73	38.91

16	0.09%	10,96,357.00	19.24	3,78,367.52	32.48
17	-1.99%	5,13,602.00	52.96	3,25,049.48	17.48
18	-1.93%	1,09,21,673.00	7.79	3,24,005.09	7.53
19	-2.28%	60,46,117.00	26.35	3,19,061.86	10.30
20	1.77%	21,86,692.00	95.53	3,15,341.64	18.11
21	1.22%	48,30,391.00	10.84	3,08,923.89	47.32
22	-1.94%	1,00,97,627.00	14.3	3,08,063.08	18.20
23	1.03%	28,87,325.00	32.35	2,80,054.53	7.40
24	-3.91%	69,45,157.00	17.87	2,69,578.00	28.12
25	-0.78%	9,87,362.00	67.46	2,61,999.03	11.73
26	9.80%	31,23,773.00	87.68	2,61,838.72	8.96
27	-1.33%	1,40,87,493.00	8.28	2,60,089.88	18.66
28	3.48%	4,18,755.00	32.81	2,55,677.10	12.45
29	-4.11%	45,70,653.00	30.96	2,52,459.22	12.26
30	-2.68%	70,15,540.00	7.08	2,37,449.92	8.58
31	-1.39%	49,19,797.00	22.35	2,34,180.66	13.94
32	-1.14%	13,39,508.00	65.36	2,28,466.54	25.59
33	7.25%	8,52,97,849.00	319.35	2,28,057.09	47.30
34	2.19%	13,18,652.00	46.97	2,25,521.79	13.61
35	0.61%	12,46,565.00	71.08	2,24,378.65	10.26
36	7.58%	21,20,509.00	149.99	2,20,028.96	21.68
37	-3.71%	6,18,32,253.00	42.87	2,05,989.57	17.35
38	-5.35%	5,08,897.00	86.26	2,04,706.97	8.77
39	0.21%	68,79,672.00	15.18	1,98,362.37	12.35
40	4.59%	64,32,166.00	71.37	1,89,837.97	25.26
41	2.09%	29,92,277.00	49.12	1,88,284.84	16.37
42	-6.44%	7,68,93,891.00	30.19	1,84,553.44	1.01
43	-2.39%	1,05,35,114.00	20.21	1,77,108.57	7.43
44	-0.13%	1,04,183.00	38.36	1,74,995.13	7.45
45	3.89%	6,42,870.00	27.46	1,73,582.00	24.83
46	-0.34%	67,36,515.00	14.86	1,72,017.97	12.02
47	-1.23%	2,11,73,846.00	55.41	1,65,993.46	19.04
48	-1.68%	4,10,470.00	43.75	1,61,132.82	24.20
49	-2.71%	4,32,668.00	33.73	1,60,725.75	15.55
50	-0.11%	42,30,202.00	102.16	1,57,848.84	13.68
51	-0.06%	2,40,79,793.00	95.61	1,53,434.72	15.61
52	2.63%	1,64,680.00	72.86	1,49,910.71	11.79
53	0.73%	1,08,307.00	80.62	1,49,154.85	17.99
54	3.77%	6,09,534.00	33.38	1,47,761.51	25.43
55	-1.97%	43,29,907.00	61.69	1,45,732.42	22.48
56	-1.97%	1,00,39,413.00	78.59	1,34,657.82	25.14
57	-4.37%	1,01,36,985.00	6.58	1,33,340.61	18.04
58	-1.32%	17,40,719.00	10.23	1,31,788.60	31.72
59	1.68%	25,068.00	17.11	1,30,814.39	10.65
60	6.28%	12,69,754.00	47.86	1,27,609.80	24.45
61	1.40%	6,34,040.00	57.39	1,25,284.03	16.46
62	-2.20%	55,27,354.00	30.3	1,23,525.64	9.14
63	6.28%	27,96,848.00	66.51	1,21,911.85	20.68
64	3.95%	21,48,989.00	59.13	1,21,389.51	21.21
65	1.07%	1,44,85,333.00	30.58	1,17,716.31	9.46
66	-6.39%	5,10,445.00	73.77	1,16,539.01	11.85
67	-2.70%	13,06,859.00	23.95	1,16,256.04	26.65
68	-0.86%	1,44,51,252.00	11.06	1,15,458.75	16.05
69	-1.83%	2,99,73,719.00	6.9	1,14,182.39	5.70
70	-4.89%	94,70,953.00	7.96	1,12,662.49	21.73
71	-2.09%	1,14,64,565.00	8.09	1,10,913.90	14.71
72	-1.19%	1,61,53,674.00	5.4	1,09,033.00	8.91
73	5.20%	14,26,531.00	70.48	1,08,964.43	15.93
74	-1.88%	1,05,407.00	59.24	1,08,563.14	16.17
75	-1.58%	12,21,548.00	26.56	1,06,400.85	27.43

76	4.41%	30,77,657.00	76.98	1,05,857.23	23.23
77	5.75%	15,23,321.00	70.1	1,03,834.09	23.47
78	0.79%	1,01,718.00	191.6	1,00,873.46	32.63
79	-1.02%	10,67,956.00	18.92	1,00,542.34	40.08
80	0.97%	70,62,439.00	26.24	1,00,358.68	14.32
81	-2.20%	38,74,882.00	12.6	99,994.03	53.08
82	-1.55%	30,109.00	82.08	98,730.46	9.88
83	0.45%	1,17,096.00	82.83	98,364.52	45.27
84	0.57%	2,70,706.00	22.82	98,188.31	7.53
85	1.75%	49,21,220.00	52.21	95,545.50	13.27
86	1.15%	3,07,383.00	36.53	93,086.65	24.36
87	-0.31%	11,26,229.00	42.24	89,621.69	17.33
88	1.45%	11,41,242.00	20.98	88,042.79	27.96
89	-1.62%	34,51,517.00	91.48	87,579.41	12.78
90	-2.64%	88,92,952.00	5.39	85,832.26	6.46
91	-0.14%	9,383.00	41.86	84,615.04	6.14
92	-0.70%	1,62,82,476.00	5.15	84,012.37	11.11
93	-7.20%	57,69,497.00	46.96	82,494.67	14.56
94	-2.12%	2,75,42,115.00	27.09	79,195.05	8.78
95	-1.92%	42,62,499.00	19.77	79,194.54	10.99
96	1.84%	60,54,296.00	10.66	78,637.48	24.74
97	-1.30%	7,45,119.00	106.02	69,810.45	13.06
98	-3.88%	2,48,72,103.00	139.7	69,648.23	7.98
99	-3.36%	39,90,832.00	54.69	63,576.00	7.45
100	4.79%	66,95,119.00	-	35,536.00	24.35

	PE/Sector	PE	Dividend Per Share	Promoter Holding	DII Holding \
0		1.52	10	50.13	19.10
1		0.82	73	71.77	10.91
2		1.33	19.5	0.00	34.56
3		2.48	8	53.11	19.63
4		1.28	10	0.00	44.95
5		0.76	46	14.43	38.37
6		0.69	13.7	57.43	24.92
7		0.93	42	61.90	14.73
8		0.76	13.75	0.00	44.92
9		0.43	10	96.50	1.27
10		1.03	36	54.70	15.17
11		0.92	34	0.00	41.71
12		0.73	52	60.81	15.24
13		0.88	13.5	54.48	18.55
14		1.34	125	58.28	22.96
15		1.58	21.1	18.48	29.22
16		1.37	2	25.89	28.79
17		1.95	70	60.00	15.16
18		0.33	12.25	58.89	19.41
19		0.71	1	72.75	8.21
20		2.30	11	52.90	11.55
21		0.77	1	8.23	37.48
22		0.37	7.75	51.10	26.76
23		1.09	1	60.64	8.92
24		0.46	11.25	51.34	17.04
25		1.95	1.3	73.97	6.61
26		2.53	0	74.65	8.14
27		0.26	6	42.58	16.79
28		0.95	80	55.04	10.06
29		0.65	35	71.64	8.15
30		0.28	25.5	63.13	22.58
31		0.64	6	65.89	14.20
32		1.68	7.3	44.85	10.59

33	9.21	0	0.00	20.54
34	0.91	33.3	52.63	14.06
35	1.45	32.2	62.76	10.80
36	4.32	3.2	37.01	15.29
37	0.67	2.2	51.14	20.93
38	1.42	12	75.00	6.78
39	0.39	0	74.96	1.61
40	2.02	2.5	60.20	7.02
41	1.47	5	74.08	4.87
42	0.82	1.5	86.36	1.24
43	1.24	12	51.50	10.20
44	1.03	65	68.57	14.98
45	1.22	0	49.27	21.21
46	0.58	29.5	56.38	15.49
47	1.42	3.6	33.19	23.70
48	1.17	40	35.01	30.74
49	3.40	10	43.11	17.90
50	2.62	0	60.94	1.72
51	3.22	0	47.12	12.56
52	1.72	16	69.60	9.16
53	2.34	30	51.89	20.54
54	0.37	51	49.09	16.19
55	2.08	2.7	55.38	17.92
56	2.65	2	50.32	13.74
57	0.18	13.5	55.99	17.16
58	0.40	3.5	34.64	24.64
59	0.58	131	51.46	7.12
60	1.43	2.25	71.98	2.64
61	1.17	73.5	50.55	17.58
62	1.11	2	67.57	16.62
63	2.41	15	53.04	11.04
64	0.66	8	50.27	20.00
65	0.78	2	46.86	16.03
66	1.22	29.3	75.00	5.69
67	0.59	13	29.19	27.71
68	0.32	5.5	51.90	17.70
69	0.53	1.5	70.08	14.31
70	0.22	16	52.63	13.90
71	0.50	42	52.98	22.27
72	0.41	7.6	63.97	18.12
73	1.53	9	56.67	13.55
74	1.32	28	68.31	8.35
75	0.89	2	49.93	16.10
76	3.32	7.75	33.84	19.48
77	1.16	9	59.41	11.56
78	5.53	22	37.63	19.24
79	0.47	40	26.64	22.90
80	0.72	0.8	58.13	19.25
81	0.42	45	25.40	15.94
82	3.02	105	62.55	15.02
83	2.01	16	29.33	19.98
84	0.56	3	74.98	10.65
85	1.89	5.5	66.26	14.92
86	1.23	11	51.60	17.29
87	1.08	0	69.94	5.85
88	0.24	140	34.74	27.72
89	3.08	0.6	73.01	9.45
90	0.41	3.6	74.76	11.94
91	1.15	375	70.54	15.87
92	0.39	16.1	62.93	11.72

93	1.20	2	69.32	10.04
94	0.69	1.9	67.40	10.04
95	0.29	2	61.19	17.26
96	0.76	16.5	16.29	42.81
97	3.06	0.25	74.80	6.27
98	2.30	0.25	63.17	15.49
99	1.37	6.5	62.40	13.72
100	0.00	-	39.88	26.70

	DII Holding	Change %	FII Holding	Change %	Retail Investor Holding \
0		0.79		-1.02	9.01
1		0.00		0.02	4.08
2		-0.75		1.19	12.63
3		0.81		-0.81	1.96
4		0.78		-0.52	7.14
5		0.27		0.02	11.56
6		0.83		-0.43	6.37
7		0.55		-0.75	10.34
8		0.33		-0.37	12.40
9		0.10		-0.08	1.81
10		0.08		-0.02	7.36
11		1.13		-0.88	19.61
12		-0.57		0.71	3.42
13		-0.06		0.03	5.47
14		2.07		-2.21	2.77
15		2.17		-2.28	7.97
16		0.88		-0.92	8.64
17		0.97		-0.99	5.22
18		0.37		-0.59	3.37
19		-0.35		0.45	6.65
20		0.08		-0.11	15.29
21		4.27		-4.46	5.39
22		0.25		-0.40	3.02
23		0.79		-0.84	10.34
24		0.14		-0.14	3.00
25		0.16		0.43	3.28
26		0.65		-0.99	5.16
27		0.42		-1.89	19.59
28		1.30		-1.86	9.99
29		-0.23		0.41	6.93
30		0.01		-0.58	4.46
31		0.94		-1.28	4.82
32		0.05		-0.07	7.17
33		-0.31		-2.93	7.46
34		0.90		-1.67	12.46
35		1.31		-1.68	13.08
36		1.90		-4.94	14.42
37		0.71		0.08	9.50
38		-0.12		0.08	7.42
39		0.08		-0.31	5.77
40		0.53		0.02	5.52
41		0.22		-0.28	3.95
42		0.16		-0.08	10.78
43		-0.33		-0.47	7.94
44		0.09		0.06	6.42
45		0.55		-0.56	3.35
46		-0.90		0.57	11.71
47		0.86		-0.91	20.74
48		-0.26		0.54	8.05
49		0.15		-0.28	10.88

50	0.27	-1.47	3.36
51	1.07	-1.27	20.36
52	0.25	-0.17	8.08
53	-0.52	0.74	7.32
54	2.43	-2.19	7.41
55	2.60	-2.71	2.09
56	0.49	-0.49	5.71
57	-0.32	0.30	7.06
58	0.32	-0.54	5.47
59	0.31	-0.24	12.08
60	-0.14	0.25	0.76
61	1.21	-1.44	12.65
62	1.43	-1.47	5.16
63	1.43	-1.35	5.06
64	0.99	-1.12	6.89
65	-0.92	0.29	24.25
66	0.27	-0.43	6.18
67	3.55	-2.15	14.29
68	0.68	-0.74	5.61
69	2.36	-2.62	8.71
70	-0.35	0.50	9.64
71	0.21	-0.69	6.71
72	1.52	-0.96	7.53
73	0.39	-0.18	8.33
74	1.27	1.71	4.61
75	-0.48	0.26	5.20
76	0.71	-1.12	18.88
77	1.32	-1.29	4.47
78	-0.32	0.36	7.25
79	1.42	-1.67	8.07
80	-0.66	0.81	6.98
81	-0.28	-0.21	4.40
82	0.56	-0.51	1.67
83	0.03	-0.10	3.65
84	0.00	0.01	5.47
85	1.25	-1.77	4.34
86	0.56	-0.39	5.36
87	0.47	-1.33	4.39
88	0.78	-1.63	7.64
89	0.16	-0.20	2.30
90	0.71	-0.43	6.22
91	0.09	-0.05	6.06
92	0.07	-0.14	12.74
93	0.26	-0.36	3.37
94	0.26	-0.60	11.62
95	1.21	-1.20	6.42
96	7.73	-9.36	10.10
97	0.14	-0.01	5.36
98	0.80	-1.51	11.81
99	-0.21	-0.09	15.33
100	13.13	16.65	7.31

	Revenue (Quarterly)	Dividend Yield	EBITDA (Quarterly)
0	2,44,200.00	0.40	43,934.00
1	65,216.00	1.78	17,460.00
2	1,12,194.00	1.14	23,968.40
3	42,801.90	0.50	21,717.80
4	74,644.80	0.79	18,541.70
5	42,623.00	2.45	10,521.00
6	1,63,802.70	1.77	26,427.80

7	16,330.00	1.70	3,793.00
8	21,205.70	3.07	7,330.30
9	1,21,120.30	1.18	-86,948.90
10	17,659.20	0.46	11,406.20
11	65,635.70	0.95	9,018.40
12	30,367.00	3.02	6,825.00
13	13,902.50	0.77	4,265.80
14	37,929.90	1.02	4,706.60
15	38,814.60	0.68	7,768.70
16	23,945.70	0.11	6,646.90
17	17,437.60	0.61	2,237.50
18	1,68,507.80	4.67	24,658.10
19	23,323.40	0.16	5,465.50
20	13,596.00	0.32	324
21	38,959.20	0.10	9,177.30
22	46,055.40	2.39	14,882.60
23	31,309.60	0.06	11,669.50
24	12,091.70	3.73	9,842.60
25	23,500.50	0.06	4,348.40
26	15,996.60	0.00	1,127.30
27	1,14,623.00	0.87	12,890.00
28	13,036.50	0.90	2,040.80
29	6,536.60	0.89	1,733.10
30	34,573.20	6.44	6,857.70
31	8,238.20	0.55	4,488.90
32	40,946.00	0.96	4,606.00
33	5,657.00	0.00	447
34	8,207.70	1.45	1,860.20
35	4,766.60	1.39	1,325.00
36	4,210.40	0.06	714.3
37	5,957.10	0.75	1,557.70
38	6,656.90	0.20	791.6
39	14,833.50	0.00	5,999.60
40	4,828.90	0.18	2,034.70
41	1,737.50	0.67	707.9
42	6,766.40	0.99	6,862.50
43	1,95,949.70	9.10	6,022.70
44	9,873.40	1.10	1,998.20
45	22,992.80	0.00	2,420.50
46	39,206.00	6.36	12,533.00
47	53,499.30	2.67	6,317.50
48	13,308.70	2.38	2,272.30
49	34,044.20	0.40	7,069.20
50	2,551.00	0.00	2,407.00
51	508	0.00	779.1
52	3,424.70	0.56	824.7
53	2,444.00	0.54	701
54	4,653.90	0.98	1,542.20
55	18,859.20	0.18	601.4
56	16,802.50	0.31	-11,913.40
57	25,551.40	3.19	24,364.90
58	59,278.00	0.58	7,599.00
59	1,820.50	1.13	1,568.00
60	4,146.90	0.19	762.9
61	4,612.20	1.43	663.6
62	10,683.70	0.35	1,331.50
63	3,832.20	1.34	820.6
64	11,199.70	0.33	1,655.90
65	16,469.50	0.55	3,639.40
66	2,106.90	0.50	213.8

67	7,183.20	0.88	1,986.40
68	40,046.10	3.10	4,579.80
69	35,286.40	1.42	6,728.60
70	13,706.30	3.56	12,375.40
71	1,13,773.80	7.92	5,794.70
72	37,732.50	3.57	7,433.80
73	3,505.00	0.63	554
74	2,795.00	0.86	865
75	6,837.80	0.16	4,426.10
76	4,495.20	0.73	645.1
77	4,953.30	0.57	468
78	1,079.70	0.28	363.2
79	8,513.00	0.66	2,368.00
80	28,111.80	0.55	2,607.80
81	12,164.10	1.65	7,242.40
82	4,683.50	0.38	794.9
83	5,633.20	0.23	723.8
84	5,182.10	0.31	1,986.20
85	3,483.80	1.04	704.3
86	6,159.00	0.59	919
87	6,000.40	0.00	1,891.20
88	10,721.60	3.22	1,632.00
89	12,430.30	0.10	-14,101.60
90	31,749.20	3.12	6,405.90
91	4,654.70	1.31	817.9
92	37,429.90	3.45	5,512.50
93	2,645.20	0.37	1,915.00
94	3,505.60	2.36	2,040.70
95	11,777.20	0.25	2,235.10
96	15,155.80	1.66	1,779.70
97	1,302.50	0.04	321.8
98	7,403.30	0.12	402.9
99	1,124.00	0.79	428.6
100	1.6	0.00	0.7

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	Name	Price	Day Price Change	Change %
Volume PE Ratio (TTM)	Market Cap FII Holding PE/Sector PE Dividend Per Share	Promoter Holding DII Holding DII Holding Change % FII Holding Change % Retail Investor Holding Revenue (Quarterly) Dividend Yield EBITDA (Quarterly)		
0	Reliance Industries	1,264.60	-0.50	-0.04%
71,18,453.00	24.74 17,11,303.88	19.15	1.52	
10	50.13 19.10	0.79		-1.02
9.01	2,44,200.00 0.40	43,934.00		
1	Tata Consultancy Services	4,073.15	-39.25	-0.95%
4,37,172.00	30.49 14,73,701.32	12.68	0.82	
73	71.77 10.91	0.00		0.02
4.08	65,216.00 1.78	17,460.00		
2	HDFC Bank	1,690.95	-7.80	-0.46%
27,93,764.00	18.68 12,93,191.18	49.20	1.33	
19.5	0.00 34.56	-0.75		1.19
12.63	1,12,194.00 1.14	23,968.40		
3	Bharti Airtel	1,623.25	-3.05	-0.19%
27,41,589.00	65.23 9,24,576.10	24.27	2.48	
8	53.11 19.63	0.81		-0.81
1.96	42,801.90 0.50	21,717.80		
4	ICICI Bank	1,255.55	2.75	0.22%
30,11,914.00	17.98 8,86,169.68	45.69	1.28	
10	0.00 44.95	0.78		-0.52
7.14	74,644.80 0.79	18,541.70		
5	Infosys	1,851.35	-28.45	-1.51%
17,01,402.00	28.23 7,68,730.36	33.30	0.76	
46	14.43 38.37	0.27		0.02
11.56	42,623.00 2.45	10,521.00		
6	State Bank of India	766	-6.90	-0.89%
93,63,077.00	8.98 6,83,625.89	10.28	0.69	
13.7	57.43 24.92	0.83		-0.43
6.37	1,63,802.70 1.77	26,427.80		
7	Hindustan Unilever	2,506.05	37.25	1.51%
29,70,999.00	56.09 5,88,819.32	11.43	0.93	
42	61.90 14.73	0.55		-0.75
10.34	16,330.00 1.70	3,793.00		
8	ITC	462.55	15.05	3.36%
3,03,93,007.00	27.26 5,78,729.16	40.17	0.76	
13.75	0.00 44.92	0.33		-0.37
12.40	21,205.70 3.07	7,330.30		
9	LIC of India	848.2	2.75	0.33%
18,90,501.00	12.88 5,36,486.30	0.07	0.43	
10	96.50 1.27	0.10		-0.08
1.81	1,21,120.30 1.18	-86,948.90		
10	Bajaj Finance	8,000.10	115.00	1.46%
16,15,378.00	30.54 4,95,203.37	20.79	1.03	
36	54.70 15.17	0.08		-0.02
7.36	17,659.20 0.46	11,406.20		
11	Larsen & Toubro	3,447.50	-119.90	-3.36%
47,52,505.00	35.38 4,74,076.29	20.83	0.92	
34	0.00 41.71	1.13		-0.88
19.61	65,635.70 0.95	9,018.40		
12	HCL Technologies	1,694.00	-31.45	-1.82%
5,69,018.00	27.43 4,59,694.87	19.38	0.73	
52	60.81 15.24	-0.57		0.71
3.42	30,367.00 3.02	6,825.00		
13	Sun Pharmaceutical	1,742.20	-1.75	-0.10%
14,77,972.00	35.46 4,18,012.14	18.05	0.88	
13.5	54.48 18.55	-0.06		0.03
5.47	13,902.50 0.77	4,265.80		

14		Maruti Suzuki	12,916.50	605.85	4.92%
11,01,170.00	26.61	4,06,098.08	15.47	1.34	
125	58.28	22.96	2.07		-2.21
2.77	37,929.90	1.02	4,706.60		
15		Mahindra & Mahindra	3,076.75	86.90	2.91%
26,74,573.00	31.35	3,82,602.73	38.91	1.58	
21.1	18.48	29.22	2.17		-2.28
7.97	38,814.60	0.68	7,768.70		
16		Kotak Bank	1,903.10	1.80	0.09%
10,96,357.00	19.24	3,78,367.52	32.48	1.37	
2	25.89	28.79	0.88		-0.92
8.64	23,945.70	0.11	6,646.90		
17		UltraTech Cement	11,259.15	-228.30	-1.99%
5,13,602.00	52.96	3,25,049.48	17.48	1.95	
70	60.00	15.16	0.97		-0.99
5.22	17,437.60	0.61	2,237.50		
18		Oil & Natural Gas Corporation	257.55	-5.06	-1.93%
1,09,21,673.00	7.79	3,24,005.09	7.53	0.33	
12.25	58.89	19.41	0.37		-0.59
3.37	1,68,507.80	4.67	24,658.10		
19		Wipro	304.8	-7.10	-2.28%
60,46,117.00	26.35	3,19,061.86	10.30	0.71	
1	72.75	8.21	-0.35		0.45
6.65	23,323.40	0.16	5,465.50		
20		Titan	3,552.00	61.75	1.77%
21,86,692.00	95.53	3,15,341.64	18.11	2.30	
11	52.90	11.55	0.08		-0.11
15.29	13,596.00	0.32	324		
21		Axis Bank	998.15	12.05	1.22%
48,30,391.00	10.84	3,08,923.89	47.32	0.77	
1	8.23	37.48	4.27		-4.46
5.39	38,959.20	0.10	9,177.30		
22		NTPC	317.7	-6.30	-1.94%
1,00,97,627.00	14.3	3,08,063.08	18.20	0.37	
7.75	51.10	26.76	0.25		-0.40
3.02	46,055.40	2.39	14,882.60		
23		Bajaj Finserv	1,754.00	17.90	1.03%
28,87,325.00	32.35	2,80,054.53	7.40	1.09	
1	60.64	8.92	0.79		-0.84
10.34	31,309.60	0.06	11,669.50		
24		Power Grid Corporation of India	289.85	-11.80	-3.91%
69,45,157.00	17.87	2,69,578.00	28.12	0.46	
11.25	51.34	17.04	0.14		-0.14
3.00	12,091.70	3.73	9,842.60		
25		Adani Enterprises	2,270.00	-17.80	-0.78%
9,87,362.00	67.46	2,61,999.03	11.73	1.95	
1.3	73.97	6.61	0.16		0.43
3.28	23,500.50	0.06	4,348.40		
26		Avenue Supermarts DMart	4,023.75	359.10	9.80%
31,23,773.00	87.68	2,61,838.72	8.96	2.53	
0	74.65	8.14	0.65		-0.99
5.16	15,996.60	0.00	1,127.30		
27		Tata Motors	706.55	-9.55	-1.33%
1,40,87,493.00	8.28	2,60,089.88	18.66	0.26	
6	42.58	16.79	0.42		-1.89
19.59	1,14,623.00	0.87	12,890.00		
28		Bajaj Auto	9,155.60	307.80	3.48%
4,18,755.00	32.81	2,55,677.10	12.45	0.95	
80	55.04	10.06	1.30		-1.86
9.99	13,036.50	0.90	2,040.80		

29		Hindustan Aeronautics	3,774.95	-161.85	-4.11%
45,70,653.00	30.96	2,52,459.22	12.26	0.65	
35	71.64	8.15	-0.23		0.41
6.93	6,536.60	0.89	1,733.10		
30		Coal India	385.3	-10.60	-2.68%
70,15,540.00	7.08	2,37,449.92	8.58	0.28	
25.5	63.13	22.58	0.01		-0.58
4.46	34,573.20	6.44	6,857.70		
31		Adani Ports & SEZ	1,084.10	-15.25	-1.39%
49,19,797.00	22.35	2,34,180.66	13.94	0.64	
6	65.89	14.20	0.94		-1.28
4.82	8,238.20	0.55	4,488.90		
32		JSW Steel	934.25	-10.75	-1.14%
13,39,508.00	65.36	2,28,466.54	25.59	1.68	
7.3	44.85	10.59	0.05		-0.07
7.17	40,946.00	0.96	4,606.00		
33		Zomato	236.32	15.97	7.25%
8,52,97,849.00	319.35	2,28,057.09	47.30	9.21	
0	0.00	20.54	-0.31		-2.93
7.46	5,657.00	0.00	447		
34		Asian Paints	2,351.15	50.35	2.19%
13,18,652.00	46.97	2,25,521.79	13.61	0.91	
33.3	52.63	14.06	0.90		-1.67
12.46	8,207.70	1.45	1,860.20		
35		Nestle	2,327.20	14.00	0.61%
12,46,565.00	71.08	2,24,378.65	10.26	1.45	
32.2	62.76	10.80	1.31		-1.68
13.08	4,766.60	1.39	1,325.00		
36		Trent	6,189.50	436.30	7.58%
21,20,509.00	149.99	2,20,028.96	21.68	4.32	
3.2	37.01	15.29	1.90		-4.94
14.42	4,210.40	0.06	714.3		
37		Bharat Electronics	281.8	-10.85	-3.71%
6,18,32,253.00	42.87	2,05,989.57	17.35	0.67	
2.2	51.14	20.93	0.71		0.08
9.50	5,957.10	0.75	1,557.70		
38		Siemens	5,748.25	-325.10	-5.35%
5,08,897.00	86.26	2,04,706.97	8.77	1.42	
12	75.00	6.78	-0.12		0.08
7.42	6,656.90	0.20	791.6		
39		Adani Power	514.3	1.10	0.21%
68,79,672.00	15.18	1,98,362.37	12.35	0.39	
0	74.96	1.61	0.08		-0.31
5.77	14,833.50	0.00	5,999.60		
40		Varun Beverages	561.4	24.65	4.59%
64,32,166.00	71.37	1,89,837.97	25.26	2.02	
2.5	60.20	7.02	0.53		0.02
5.52	4,828.90	0.18	2,034.70		
41		DLF	760.65	15.60	2.09%
29,92,277.00	49.12	1,88,284.84	16.37	1.47	
5	74.08	4.87	0.22		-0.28
3.95	1,737.50	0.67	707.9		
42		IRFC	141.22	-9.72	-6.44%
7,68,93,891.00	30.19	1,84,553.44	1.01	0.82	
1.5	86.36	1.24	0.16		-0.08
10.78	6,766.40	0.99	6,862.50		
43		Indian Oil Corporation	125.42	-3.07	-2.39%
1,05,35,114.00	20.21	1,77,108.57	7.43	1.24	
12	51.50	10.20	-0.33		-0.47
7.94	1,95,949.70	9.10	6,022.70		

44		LTI Mindtree	5,906.30	-7.85	-0.13%
1,04,183.00	38.36	1,74,995.13	7.45	1.03	
65	68.57	14.98	0.09		0.06
6.42	9,873.40	1.10	1,998.20		
45		Interglobe Aviation	4,492.40	168.05	3.89%
6,42,870.00	27.46	1,73,582.00	24.83	1.22	
0	49.27	21.21	0.55		-0.56
3.35	22,992.80	0.00	2,420.50		
46		Vedanta	439.9	-1.50	-0.34%
67,36,515.00	14.86	1,72,017.97	12.02	0.58	
29.5	56.38	15.49	-0.90		0.57
11.71	39,206.00	6.36	12,533.00		
47		Tata Steel	132.97	-1.65	-1.23%
2,11,73,846.00	55.41	1,65,993.46	19.04	1.42	
3.6	33.19	23.70	0.86		-0.91
20.74	53,499.30	2.67	6,317.50		
48		Tech Mahindra	1,646.40	-28.05	-1.68%
4,10,470.00	43.75	1,61,132.82	24.20	1.17	
40	35.01	30.74	-0.26		0.54
8.05	13,308.70	2.38	2,272.30		
49		Grasim Industries	2,440.75	-68.10	-2.71%
4,32,668.00	33.73	1,60,725.75	15.55	3.40	
10	43.11	17.90	0.15		-0.28
10.88	34,044.20	0.40	7,069.20		
50		Adani Green Energy	996.5	-1.05	-0.11%
42,30,202.00	102.16	1,57,848.84	13.68	2.62	
0	60.94	1.72	0.27		-1.47
3.36	2,551.00	0.00	2,407.00		
51		Jio Financial Services	241.51	-0.14	-0.06%
2,40,79,793.00	95.61	1,53,434.72	15.61	3.22	
0	47.12	12.56	1.07		-1.27
20.36	508	0.00	779.1		
52		Pidilite Industries	2,947.25	75.55	2.63%
1,64,680.00	72.86	1,49,910.71	11.79	1.72	
16	69.60	9.16	0.25		-0.17
8.08	3,424.70	0.56	824.7		
53		Divis Laboratories	5,618.55	40.85	0.73%
1,08,307.00	80.62	1,49,154.85	17.99	2.34	
30	51.89	20.54	-0.52		0.74
7.32	2,444.00	0.54	701		
54		Eicher Motors	5,390.15	195.85	3.77%
6,09,534.00	33.38	1,47,761.51	25.43	0.37	
51	49.09	16.19	2.43		-2.19
7.41	4,653.90	0.98	1,542.20		
55		SBI Life Insurance	1,454.35	-29.25	-1.97%
43,29,907.00	61.69	1,45,732.42	22.48	2.08	
2.7	55.38	17.92	2.60		-2.71
2.09	18,859.20	0.18	601.4		
56		HDFC Life Insurance	625.5	-12.55	-1.97%
1,00,39,413.00	78.59	1,34,657.82	25.14	2.65	
2	50.32	13.74	0.49		-0.49
5.71	16,802.50	0.31	-11,913.40		
57		Power Finance Corporation	404.05	-18.45	-4.37%
1,01,36,985.00	6.58	1,33,340.61	18.04	0.18	
13.5	55.99	17.16	-0.32		0.30
7.06	25,551.40	3.19	24,364.90		
58		Hindalco Industries	586.45	-7.85	-1.32%
17,40,719.00	10.23	1,31,788.60	31.72	0.40	
3.5	34.64	24.64	0.32		-0.54
5.47	59,278.00	0.58	7,599.00		

59	Bajaj Holdings & Investments	11,754.00	194.30	1.68%
25,068.00	17.11 1,30,814.39	10.65	0.58	
131	51.46 7.12	0.31		-0.24
12.08	1,820.50 1.13	1,568.00		
60	Macrotech Developers	1,280.15	75.65	6.28%
12,69,754.00	47.86 1,27,609.80	24.45	1.43	
2.25	71.98 2.64	-0.14		0.25
0.76	4,146.90 0.19	762.9		
61	Britannia Industries	5,201.35	71.70	1.40%
6,34,040.00	57.39 1,25,284.03	16.46	1.17	
73.5	50.55 17.58	1.21		-1.44
12.65	4,612.20 1.43	663.6		
62	Ambuja Cements	501.5	-11.30	-2.20%
55,27,354.00	30.3 1,23,525.64	9.14	1.11	
2	67.57 16.62	1.43		-1.47
5.16	10,683.70 0.35	1,331.50		
63	Godrej Consumer Products	1,191.70	70.45	6.28%
27,96,848.00	66.51 1,21,911.85	20.68	2.41	
15	53.04 11.04	1.43		-1.35
5.06	3,832.20 1.34	820.6		
64	TVS Motors	2,555.10	97.20	3.95%
21,48,989.00	59.13 1,21,389.51	21.21	0.66	
8	50.27 20.00	0.99		-1.12
6.89	11,199.70 0.33	1,655.90		
65	Tata Power	368.4	3.90	1.07%
1,44,85,333.00	30.58 1,17,716.31	9.46	0.78	
2	46.86 16.03	-0.92		0.29
24.25	16,469.50 0.55	3,639.40		
66	ABB	5,499.50	-375.15	-6.39%
5,10,445.00	73.77 1,16,539.01	11.85	1.22	
29.3	75.00 5.69	0.27		-0.43
6.18	2,106.90 0.50	213.8		
67	Cipla	1,439.50	-39.90	-2.70%
13,06,859.00	23.95 1,16,256.04	26.65	0.59	
13	29.19 27.71	3.55		-2.15
14.29	7,183.20 0.88	1,986.40		
68	GAIL	175.6	-1.52	-0.86%
1,44,51,252.00	11.06 1,15,458.75	16.05	0.32	
5.5	51.90 17.70	0.68		-0.74
5.61	40,046.10 3.10	4,579.80		
69	Punjab National Bank	99.35	-1.85	-1.83%
2,99,73,719.00	6.9 1,14,182.39	5.70	0.53	
1.5	70.08 14.31	2.36		-2.62
8.71	35,286.40 1.42	6,728.60		
70	Rural Electrification Corporation	427.85	-22.00	-4.89%
94,70,953.00	7.96 1,12,662.49	21.73	0.22	
16	52.63 13.90	-0.35		0.50
9.64	13,706.30 3.56	12,375.40		
71	Bharat Petroleum	255.65	-5.45	-2.09%
1,14,64,565.00	8.09 1,10,913.90	14.71	0.50	
42	52.98 22.27	0.21		-0.69
6.71	1,13,773.80 7.92	5,794.70		
72	Bank of Baroda	210.84	-2.55	-1.19%
1,61,53,674.00	5.4 1,09,033.00	8.91	0.41	
7.6	63.97 18.12	1.52		-0.96
7.53	37,732.50 3.57	7,433.80		
73	United Spirits	1,498.10	74.10	5.20%
14,26,531.00	70.48 1,08,964.43	15.93	1.53	
9	56.67 13.55	0.39		-0.18
8.33	3,505.00 0.63	554		

74	Torrent Pharmaceuticals	3,207.70	-61.40	-1.88%
1,05,407.00	59.24 1,08,563.14	16.17	1.32	
28	68.31 8.35	1.27		1.71
4.61	2,795.00 0.86	865		
75	Cholamandalam Investment	1,265.50	-20.35	-1.58%
12,21,548.00	26.56 1,06,400.85	27.43	0.89	
2	49.93 16.10	-0.48		0.26
5.20	6,837.80 0.16	4,426.10		
76	Tata Consumer Products	1,069.85	45.20	4.41%
30,77,657.00	76.98 1,05,857.23	23.23	3.32	
7.75	33.84 19.48	0.71		-1.12
18.88	4,495.20 0.73	645.1		
77	Havells	1,656.20	90.00	5.75%
15,23,321.00	70.1 1,03,834.09	23.47	1.16	
9	59.41 11.56	1.32		-1.29
4.47	4,953.30 0.57	468		
78	Info Edge	7,784.40	60.70	0.79%
1,01,718.00	191.6 1,00,873.46	32.63	5.53	
22	37.63 19.24	-0.32		0.36
7.25	1,079.70 0.28	363.2		
79	Dr Reddys Laboratories	1,204.95	-12.40	-1.02%
10,67,956.00	18.92 1,00,542.34	40.08	0.47	
40	26.64 22.90	1.42		-1.67
8.07	8,513.00 0.66	2,368.00		
80	Samvardhana Motherson International	142.63	1.37	0.97%
70,62,439.00	26.24 1,00,358.68	14.32	0.72	
0.8	58.13 19.25	-0.66		0.81
6.98	28,111.80 0.55	2,607.80		
81	Shriram Finance	531.8	-11.95	-2.20%
38,74,882.00	12.6 99,994.03	53.08	0.42	
45	25.40 15.94	-0.28		-0.21
4.40	12,164.10 1.65	7,242.40		
82	Shree Cement	27,363.75	-432.15	-1.55%
30,109.00	82.08 98,730.46	9.88	3.02	
105	62.55 15.02	0.56		-0.51
1.67	4,683.50 0.38	794.9		
83	Apollo Hospitals	6,841.10	30.60	0.45%
1,17,096.00	82.83 98,364.52	45.27	2.01	
16	29.33 19.98	0.03		-0.10
3.65	5,633.20 0.23	723.8		
84	Zydus Life Science	975.8	5.55	0.57%
2,70,706.00	22.82 98,188.31	7.53	0.56	
3	74.98 10.65	0.00		0.01
5.47	5,182.10 0.31	1,986.20		
85	Dabur	539.1	9.25	1.75%
49,21,220.00	52.21 95,545.50	13.27	1.89	
5.5	66.26 14.92	1.25		-1.77
4.34	3,483.80 1.04	704.3		
86	ICICI Lombard General Insurance	1,879.95	21.45	1.15%
3,07,383.00	36.53 93,086.65	24.36	1.23	
11	51.60 17.29	0.56		-0.39
5.36	6,159.00 0.59	919		
87	Adani Energy Solutions	746.05	-2.30	-0.31%
11,26,229.00	42.24 89,621.69	17.33	1.08	
0	69.94 5.85	0.47		-1.33
4.39	6,000.40 0.00	1,891.20		
88	Hero Motocorp	4,402.15	63.00	1.45%
11,41,242.00	20.98 88,042.79	27.96	0.24	
140	34.74 27.72	0.78		-1.63
7.64	10,721.60 3.22	1,632.00		

89	ICICI Prudential Life Insurance	606	-10.00	-1.62%	
34,51,517.00	91.48 87,579.41	12.78	3.08		
0.6	73.01 9.45	0.16		-0.20	
2.30	12,430.30 0.10	-14,101.60			
90	Union Bank of India	112.44	-3.05	-2.64%	
88,92,952.00	5.39 85,832.26	6.46	0.41		
3.6	74.76 11.94	0.71		-0.43	
6.22	31,749.20 3.12	6,405.90			
91	Bosch	28,689.25	-39.90	-0.14%	
9,383.00	41.86 84,615.04	6.14	1.15		3
75	70.54 15.87	0.09		-0.05	
6.06	4,654.70 1.31	817.9			
92	Canara Bank	92.62	-0.65	-0.70%	
1,62,82,476.00	5.15 84,012.37	11.11	0.39		
16.1	62.93 11.72	0.07		-0.14	
12.74	37,429.90 3.45	5,512.50			
93	JSW Energy	472	-36.60	-7.20%	
57,69,497.00	46.96 82,494.67	14.56	1.20		
2	69.32 10.04	0.26		-0.36	
3.37	2,645.20 0.37	1,915.00			
94	NHPC	78.84	-1.71	-2.12%	
2,75,42,115.00	27.09 79,195.05	8.78	0.69		
1.9	67.40 10.04	0.26		-0.60	
11.62	3,505.60 2.36	2,040.70			
95	Jindal Steel	776.35	-15.20	-1.92%	
42,62,499.00	19.77 79,194.54	10.99	0.29		
2	61.19 17.26	1.21		-1.20	
6.42	11,777.20 0.25	2,235.10			
96	Indusind Bank	1,009.40	18.20	1.84%	
60,54,296.00	10.66 78,637.48	24.74	0.76		
16.5	16.29 42.81	7.73		-9.36	
10.10	15,155.80 1.66	1,779.70			
97	Adani Total Gas	634.75	-8.35	-1.30%	
7,45,119.00	106.02 69,810.45	13.06	3.06		
0.25	74.80 6.27	0.14		-0.01	
5.36	1,302.50 0.04	321.8			
98	Bharat Heavy Electricals	200.02	-8.07	-3.88%	
2,48,72,103.00	139.7 69,648.23	7.98	2.30		
0.25	63.17 15.49	0.80		-1.51	
11.81	7,403.30 0.12	402.9			
99	IRCTC	794.7	-27.60	-3.36%	
39,90,832.00	54.69 63,576.00	7.45	1.37		
6.5	62.40 13.72	-0.21		-0.09	
15.33	1,124.00 0.79	428.6			
100	ITC Hotels	170.75	7.80	4.79%	
66,95,119.00	- 35,536.00	24.35	0.00		
-	39.88 26.70	13.13		16.65	
7.31	1.6 0.00	0.7			

```
In [13]: # discribe function
import pandas as pd
file = pd.read_csv("https://raw.githubusercontent.com/collegefoundation/stock-an
display(file.describe())
```

	Day Price Change	FII Holding	PE/Sector PE	Promoter Holding	DII Holding	DII Holding Change %	F Holding Change
count	101.000000	101.000000	101.000000	101.000000	101.000000	101.000000	101.000000
mean	11.927228	18.842871	1.347624	52.477030	16.806733	0.745347	-0.57732
std	122.799189	10.922787	1.240421	19.824674	9.239620	1.672442	2.19470
min	-432.150000	0.070000	0.000000	0.000000	1.240000	-0.920000	-9.36000
25%	-11.950000	11.110000	0.590000	46.860000	10.650000	0.070000	-1.27000
50%	-1.750000	16.370000	1.080000	55.040000	15.490000	0.370000	-0.43000
75%	21.450000	24.350000	1.580000	66.260000	20.000000	0.940000	-0.01000
max	605.850000	53.080000	9.210000	96.500000	44.950000	13.130000	16.65000

In [22]: `#include all fields for data`
`display(file.describe(include='all'))`

	Name	Price	Day Price Change	Change %	Volume	PE Ratio (TTM)	Market Cap	Ho
count	101	101	101.000000	101	101	101	101	101.00
unique	101	101	NaN	97	101	101	101	
top	Reliance Industries	1,264.60	NaN	-1.97%	71,18,453.00	24.74	17,11,303.88	
freq	1	1	NaN	2	1	1	1	
mean	NaN	NaN	11.927228	NaN	NaN	NaN	NaN	18.84
std	NaN	NaN	122.799189	NaN	NaN	NaN	NaN	10.92
min	NaN	NaN	-432.150000	NaN	NaN	NaN	NaN	0.07
25%	NaN	NaN	-11.950000	NaN	NaN	NaN	NaN	11.11
50%	NaN	NaN	-1.750000	NaN	NaN	NaN	NaN	16.37
75%	NaN	NaN	21.450000	NaN	NaN	NaN	NaN	24.35
max	NaN	NaN	605.850000	NaN	NaN	NaN	NaN	53.08

In [35]: `# null value check by isnull function`
`print(file.isnull())`

	Name	Price	Day	Price	Change	Change %	Volume	PE Ratio (TTM)	\
0	False	False			False	False	False	False	
1	False	False			False	False	False	False	
2	False	False			False	False	False	False	
3	False	False			False	False	False	False	
4	False	False			False	False	False	False	
..	
96	False	False			False	False	False	False	
97	False	False			False	False	False	False	
98	False	False			False	False	False	False	
99	False	False			False	False	False	False	
100	False	False			False	False	False	False	

	Market Cap	FII Holding	PE/Sector	PE	Dividend Per Share	\
0	False	False		False	False	
1	False	False		False	False	
2	False	False		False	False	
3	False	False		False	False	
4	False	False		False	False	
..	
96	False	False		False	False	
97	False	False		False	False	
98	False	False		False	False	
99	False	False		False	False	
100	False	False		False	False	

	Promoter Holding	DII Holding	DII Holding	Change %	\
0	False	False		False	
1	False	False		False	
2	False	False		False	
3	False	False		False	
4	False	False		False	
..	
96	False	False		False	
97	False	False		False	
98	False	False		False	
99	False	False		False	
100	False	False		False	

	FII Holding	Change %	Retail Investor Holding	Revenue (Quarterly)	\
0		False	False	False	
1		False	False	False	
2		False	False	False	
3		False	False	False	
4		False	False	False	
..		
96		False	False	False	
97		False	False	False	
98		False	False	False	
99		False	False	False	
100		False	False	False	

	Dividend Yield	EBITDA (Quarterly)
0	False	False
1	False	False
2	False	False
3	False	False
4	False	False
..
96	False	False

97	False	False
98	False	False
99	False	False
100	False	False

[101 rows x 18 columns]

```
In [37]: # null value check by isnull function with sum for count  
print(file.isnull().sum())
```

Name	0
Price	0
Day Price Change	0
Change %	0
Volume	0
PE Ratio (TTM)	0
Market Cap	0
FII Holding	0
PE/Sector PE	0
Dividend Per Share	0
Promoter Holding	0
DII Holding	0
DII Holding Change %	0
FII Holding Change %	0
Retail Investor Holding	0
Revenue (Quarterly)	0
Dividend Yield	0
EBITDA (Quarterly)	0
dtype:	int64

In []: