In [108…
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

In [190…
```
df=pd.read_csv(r"C:\Users\dell\Downloads\Financial Analytics data (1).csv")
```

In [191…
```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 488 entries, 0 to 487
Data columns (total 5 columns):
 #   Column             Non-Null Count  Dtype  
---  ------             --------------  -----  
 0   S.No.              488 non-null    int64  
 1   Name               488 non-null    object 
 2   Mar Cap - Crore    479 non-null    float64
 3   Sales Qtr - Crore  365 non-null    float64
 4   Unnamed: 4         94 non-null     float64
dtypes: float64(3), int64(1), object(1)
memory usage: 19.2+ KB
```

In [ ]:
```
```

In [192…
```
df.isnull()
```

Out[192]:

| | S.No. | Name | Mar Cap - Crore | Sales Qtr - Crore | Unnamed: 4 |
|---|---|---|---|---|---|
| **0** | False | False | False | False | True |
| **1** | False | False | False | False | True |
| **2** | False | False | False | False | True |
| **3** | False | False | False | False | True |
| **4** | False | False | False | False | True |
| **…** | … | … | … | … | … |
| **483** | False | False | False | False | True |
| **484** | False | False | False | False | True |
| **485** | False | False | False | False | True |
| **486** | False | False | False | False | True |
| **487** | False | False | True | True | True |

488 rows × 5 columns

In [193…
```
df.describe()
```

Out[193]:

| | S.No. | Mar Cap - Crore | Sales Qtr - Crore | Unnamed: 4 |
|---|---|---|---|---|
| **count** | 488.000000 | 479.000000 | 365.000000 | 94.000000 |
| **mean** | 251.508197 | 28043.857119 | 4395.976849 | 1523.870106 |
| **std** | 145.884078 | 59464.615831 | 11092.206185 | 1800.008836 |
| **min** | 1.000000 | 3017.070000 | 47.240000 | 0.000000 |
| **25%** | 122.750000 | 4843.575000 | 593.740000 | 407.167500 |
| **50%** | 252.500000 | 9885.050000 | 1278.300000 | 702.325000 |
| **75%** | 378.250000 | 23549.900000 | 2840.750000 | 2234.815000 |
| **max** | 500.000000 | 583436.720000 | 110666.930000 | 7757.060000 |

In [194…

```
df['Mar Cap - Crore'].fillna(df['Mar Cap - Crore'].mean(), inplace=True)
df['Sales Qtr - Crore'].fillna(df['Sales Qtr - Crore'].mean(), inplace=True)
```

In [195…

```
df.describe()
```

Out[195]:

| | S.No. | Mar Cap - Crore | Sales Qtr - Crore | Unnamed: 4 |
|---|---|---|---|---|
| **count** | 488.000000 | 488.000000 | 488.000000 | 94.000000 |
| **mean** | 251.508197 | 28043.857119 | 4395.976849 | 1523.870106 |
| **std** | 145.884078 | 58912.585788 | 9589.680655 | 1800.008836 |
| **min** | 1.000000 | 3017.070000 | 47.240000 | 0.000000 |
| **25%** | 122.750000 | 4879.612500 | 725.732500 | 407.167500 |
| **50%** | 252.500000 | 10380.425000 | 2095.335000 | 702.325000 |
| **75%** | 378.250000 | 25502.085000 | 4395.976849 | 2234.815000 |
| **max** | 500.000000 | 583436.720000 | 110666.930000 | 7757.060000 |

In [196…

```
df.head(100)
```

Out[196]:

| | S.No. | Name | Mar Cap - Crore | Sales Qtr - Crore | Unnamed: 4 |
|---|---|---|---|---|---|
| **0** | 1 | Reliance Inds. | 583436.720000 | 99810.000000 | NaN |
| **1** | 2 | TCS | 563709.840000 | 30904.000000 | NaN |
| **2** | 3 | HDFC Bank | 482953.590000 | 20581.270000 | NaN |
| **3** | 4 | ITC | 320985.270000 | 9772.020000 | NaN |
| **4** | 5 | H D F C | 289497.370000 | 16840.510000 | NaN |
| **...** | ... | ... | ... | ... | ... |
| **95** | 96 | Bajaj Holdings | 30305.940000 | 4395.976849 | 317.85 |
| **96** | 97 | P & G Hygiene | 30202.120000 | 4395.976849 | 704.16 |
| **97** | 98 | MRF | 30030.010000 | 4395.976849 | 3798.82 |
| **98** | 99 | Shriram Trans. | 29327.640000 | 4395.976849 | 3087.67 |
| **99** | 100 | Colgate-Palm. | 28043.857119 | 4395.976849 | NaN |

100 rows × 5 columns

In [197…
```
df=df.drop('Unnamed: 4' ,axis=1)
```

In [198…
```
df.describe()
```

Out[198]:

| | S.No. | Mar Cap - Crore | Sales Qtr - Crore |
|---|---|---|---|
| **count** | 488.000000 | 488.000000 | 488.000000 |
| **mean** | 251.508197 | 28043.857119 | 4395.976849 |
| **std** | 145.884078 | 58912.585788 | 9589.680655 |
| **min** | 1.000000 | 3017.070000 | 47.240000 |
| **25%** | 122.750000 | 4879.612500 | 725.732500 |
| **50%** | 252.500000 | 10380.425000 | 2095.335000 |
| **75%** | 378.250000 | 25502.085000 | 4395.976849 |
| **max** | 500.000000 | 583436.720000 | 110666.930000 |

In [199…
```
print(df)
```

```
     S.No.             Name  Mar Cap - Crore  Sales Qtr - Crore
0        1   Reliance Inds.    583436.720000       99810.000000
1        2              TCS    563709.840000       30904.000000
2        3        HDFC Bank    482953.590000       20581.270000
3        4              ITC    320985.270000        9772.020000
4        5          H D F C    289497.370000       16840.510000
..     ...              ...              ...                ...
483    496  Lak. Vilas Bank      3029.570000         790.170000
484    497            NOCIL      3026.260000         249.270000
485    498    Orient Cement      3024.320000         511.530000
486    499  Natl.Fertilizer      3017.070000        2840.750000
487    500        L T Foods     28043.857119        4395.976849

[488 rows x 4 columns]
```

In [ ]:

In [ ]:

In [ ]:

In [ ]: