```
car=pd.read_csv('https://github.com/YBI-Foundation/Dataset/raw/main/MPG.csv')
```

```
import pandas as pd
```

```
car
```

	mpg	cylinders	displacement	horsepower	weight	acceleration	model_year
0	18.0	8	307.0	130.0	3504	12.0	70
1	15.0	8	350.0	165.0	3693	11.5	70
2	18.0	8	318.0	150.0	3436	11.0	70
3	16.0	8	304.0	150.0	3433	12.0	70
4	17.0	8	302.0	140.0	3449	10.5	70
...	...	...	...	...	...	...	...
393	27.0	4	140.0	86.0	2790	15.6	82
394	44.0	4	97.0	52.0	2130	24.6	82
395	32.0	4	135.0	84.0	2295	11.6	82
396	28.0	4	120.0	79.0	2625	18.6	82
397	31.0	4	119.0	82.0	2720	19.4	82

398 rows × 9 columns

```
car.head()
```

	mpg	cylinders	displacement	horsepower	weight	acceleration	model_year	o
0	18.0	8	307.0	130.0	3504	12.0	70	
1	15.0	8	350.0	165.0	3693	11.5	70	
2	18.0	8	318.0	150.0	3436	11.0	70	

```
car.tail()
```

	mpg	cylinders	displacement	horsepower	weight	acceleration	model_year
393	27.0	4	140.0	86.0	2790	15.6	82
394	44.0	4	97.0	52.0	2130	24.6	82
395	32.0	4	135.0	84.0	2295	11.6	82
396	28.0	4	120.0	79.0	2625	18.6	82
397	31.0	4	119.0	82.0	2720	19.4	82

```
car.tail(10)
```

	mpg	cylinders	displacement	horsepower	weight	acceleration	model_year
388	26.0	4	156.0	92.0	2585	14.5	82
389	22.0	6	232.0	112.0	2835	14.7	82
390	32.0	4	144.0	96.0	2665	13.9	82
391	36.0	4	135.0	84.0	2370	13.0	82
392	27.0	4	151.0	90.0	2950	17.3	82

```
car.head(5)
```

	mpg	cylinders	displacement	horsepower	weight	acceleration	model_year	o
0	18.0	8	307.0	130.0	3504	12.0	70	
1	15.0	8	350.0	165.0	3693	11.5	70	
2	18.0	8	318.0	150.0	3436	11.0	70	
3	16.0	8	304.0	150.0	3433	12.0	70	
4	17.0	8	302.0	140.0	3449	10.5	70	

```
pd.options.display.max_rows=500
```

```
car.isna().sum()
```

```
mpg             0
cylinders       0
displacement    0
horsepower      6
weight          0
acceleration    0
model_year      0
origin          0
name            0
dtype: int64
```

```
car=car.dropna()
car.isna().sum()
```

```
mpg             0
cylinders       0
displacement    0
horsepower      0
weight          0
acceleration    0
model_year      0
origin          0
name            0
dtype: int64
```

```
car.describe()
```

	mpg	cylinders	displacement	horsepower	weight	a
count	392.000000	392.000000	392.000000	392.000000	392.000000	
mean	23.445918	5.471939	194.411990	104.469388	2977.584184	
std	7.805007	1.705783	104.644004	38.491160	849.402560	
min	9.000000	3.000000	68.000000	46.000000	1613.000000	
25%	17.000000	4.000000	105.000000	75.000000	2225.250000	
50%	22.750000	4.000000	151.000000	93.500000	2803.500000	
75%	29.000000	8.000000	275.750000	126.000000	3614.750000	
max	46.600000	8.000000	455.000000	230.000000	5140.000000	

```
car.info()
```

```
<class 'pandas.core.frame.DataFrame'>
Int64Index: 392 entries, 0 to 397
Data columns (total 9 columns):
 #   Column        Non-Null Count  Dtype  
---  ------        --------------  -----  
 0   mpg           392 non-null    float64
 1   cylinders     392 non-null    int64  
 2   displacement  392 non-null    float64
 3   horsepower    392 non-null    float64
 4   weight        392 non-null    int64  
 5   acceleration  392 non-null    float64
 6   model_year    392 non-null    int64  
 7   origin        392 non-null    object 
 8   name          392 non-null    object 
dtypes: float64(4), int64(3), object(2)
memory usage: 30.6+ KB
```

```
car.shape
```

```
df=pd.read_csv('https://github.com/YBI-Foundation/Dataset/raw/main/Fruits.csv')
df
```

	Fruit Category	Fruit Name	Fruit Weight	Fruit Width	Fruit Length	Fruit Colour Score
0	1	Apple	192	8.4	7.3	0.55
1	1	Apple	180	8.0	6.8	0.59
2	1	Apple	176	7.4	7.2	0.60
3	1	Apple	178	7.1	7.8	0.92
4	1	Apple	172	7.4	7.0	0.89
5	1	Apple	166	6.9	7.3	0.93
6	1	Apple	172	7.1	7.6	0.92
7	1	Apple	154	7.0	7.1	0.88
8	1	Apple	164	7.3	7.7	0.70
9	1	Apple	152	7.6	7.3	0.69
10	1	Apple	156	7.7	7.1	0.69
11	1	Apple	156	7.6	7.5	0.67
12	1	Apple	168	7.5	7.6	0.73
13	1	Apple	162	7.5	7.1	0.83
14	1	Apple	162	7.4	7.2	0.85
15	1	Apple	160	7.5	7.5	0.86
16	1	Apple	156	7.4	7.4	0.84
17	1	Apple	140	7.3	7.1	0.87
18	1	Apple	170	7.6	7.9	0.88
19	2	Orange	86	6.2	4.7	0.80
20	2	Orange	84	6.0	4.6	0.79
21	2	Orange	80	5.8	4.3	0.77
22	2	Orange	80	5.9	4.3	0.81
23	2	Orange	76	5.8	4.0	0.81
24	2	Orange	342	9.0	9.4	0.75
25	2	Orange	356	9.2	9.2	0.75
26	2	Orange	362	9.6	9.2	0.74
27	2	Orange	204	7.5	9.2	0.77
28	2	Orange	140	6.7	7.1	0.72
29	2	Orange	160	7.0	7.4	0.81

30	2	Orange	158	7.1	7.5	0.79
31	2	Orange	210	7.8	8.0	0.82
32	2	Orange	164	7.2	7.0	0.80
33	2	Orange	190	7.5	8.1	0.74

```
df.describe()
```

	Fruit Category	Fruit Weight	Fruit Width	Fruit Length	Fruit Colour Score
count	59.000000	59.000000	59.000000	59.000000	59.000000
mean	1.949153	141.796610	7.105085	7.693220	0.762881
std	0.775125	67.335951	0.816938	1.361017	0.076857
min	1.000000	58.000000	5.800000	4.000000	0.550000
25%	1.000000	82.000000	6.600000	7.200000	0.720000
50%	2.000000	154.000000	7.200000	7.600000	0.750000
75%	3.000000	167.000000	7.500000	8.200000	0.810000
max	3.000000	362.000000	9.600000	10.500000	0.930000

```
df.columns
```

```
Index(['Fruit Category', 'Fruit Name', 'Fruit Weight', 'Fruit Width',
       'Fruit Length', 'Fruit Colour Score'],
      dtype='object')
```

```
df.rank
```

```
df.corr()
```

```
df['Fruit Name']
```

```
0      Apple
1      Apple
2      Apple
3      Apple
4      Apple
5      Apple
6      Apple
7      Apple
8      Apple
9      Apple
10     Apple
11     Apple
12     Apple
13     Apple
```

```
14     Apple
15     Apple
16     Apple
17     Apple
18     Apple
19    Orange
20    Orange
21    Orange
22    Orange
23    Orange
24    Orange
25    Orange
26    Orange
27    Orange
28    Orange
29    Orange
30    Orange
31    Orange
32    Orange
33    Orange
34    Orange
35    Orange
36    Orange
37    Orange
38    Orange
39    Orange
40    Orange
41    Orange
42    Orange
43     Lemon
44     Lemon
45     Lemon
46     Lemon
47     Lemon
48     Lemon
49     Lemon
50     Lemon
51     Lemon
52     Lemon
53     Lemon
54     Lemon
55     Lemon
56     Lemon
57     Lemon
```

```
df['Fruit Weight'].nlargest()
```

```
26    362
25    356
24    342
31    210
27    204
Name: Fruit Weight, dtype: int64
```

```
df['Fruit Weight'].nsmallest()
```

```
51    58
54    58
55    58
56    58
52    59
Name: Fruit Weight, dtype: int64
```

```
df['Fruit Name'].min()
```

```
'Apple'
```

```
df['Fruit Name'].max()
```

```
ship=pd.read_csv('https://github.com/YBI-Foundation/Dataset/raw/main/Titanic.csv')
ship.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1309 entries, 0 to 1308
Data columns (total 14 columns):
 #   Column     Non-Null Count  Dtype
---  ------     --------------  -----
 0   pclass     1309 non-null   int64
 1   survived   1309 non-null   int64
 2   name       1309 non-null   object
 3   sex        1309 non-null   object
 4   age        1046 non-null   float64
 5   sibsp      1309 non-null   int64
 6   parch      1309 non-null   int64
 7   ticket     1309 non-null   object
 8   fare       1308 non-null   float64
 9   cabin      295 non-null    object
 10  embarked   1307 non-null   object
 11  boat       486 non-null    object
 12  body       121 non-null    float64
 13  home.dest  745 non-null    object
dtypes: float64(3), int64(4), object(7)
memory usage: 143.3+ KB
```

```
ship['pclass']=ship['pclass'].astype('object')
ship.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1309 entries, 0 to 1308
Data columns (total 14 columns):
 #   Column     Non-Null Count  Dtype
---  ------     --------------  -----
 0   pclass     1309 non-null   object
 1   survived   1309 non-null   int64
 2   name       1309 non-null   object
 3   sex        1309 non-null   object
 4   age        1046 non-null   float64
 5   sibsp      1309 non-null   int64
```

```
 6   parch      1309 non-null   int64
 7   ticket     1309 non-null   object
 8   fare       1308 non-null   float64
 9   cabin      295 non-null    object
 10  embarked   1307 non-null   object
 11  boat       486 non-null    object
 12  body       121 non-null    float64
 13  home.dest  745 non-null    object
dtypes: float64(3), int64(3), object(8)
memory usage: 143.3+ KB
```

Cell ×

```
import pandas as pd
```