```
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
import warnings
warnings.filterwarnings('ignore')


df=pd.read_csv("results.csv")
df.head(10)
```

	sr	name	class	marks	age	gender
0	1	anil	TE	56.77	22	male
1	2	amit	TE	59.77	21	male
2	3	aniket	BE	76.88	19	male
3	4	ajinkya	TE	69.66	20	male
4	5	asha	TE	63.28	20	female
5	6	ayesha	BE	49.55	20	female
6	7	amar	BE	65.34	19	male
7	8	amita	BE	68.33	23	female
8	9	amol	TE	56.75	20	male
9	10	anmol	BE	78.66	21	male

Next steps: Generate code with df | View recommended plots | New interactive sheet

```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 34 entries, 0 to 33
Data columns (total 6 columns):
 #   Column  Non-Null Count  Dtype
---  ------  --------------  -----
 0   sr      34 non-null     int64
 1   name    34 non-null     object
 2   class   34 non-null     object
 3   marks   34 non-null     float64
 4   age     34 non-null     int64
 5   gender  34 non-null     object
dtypes: float64(1), int64(2), object(3)
memory usage: 1.7+ KB
```

```
df.isnull().sum()
```

	0
sr	0
name	0
class	0
marks	0
age	0
gender	0

dtype: int64

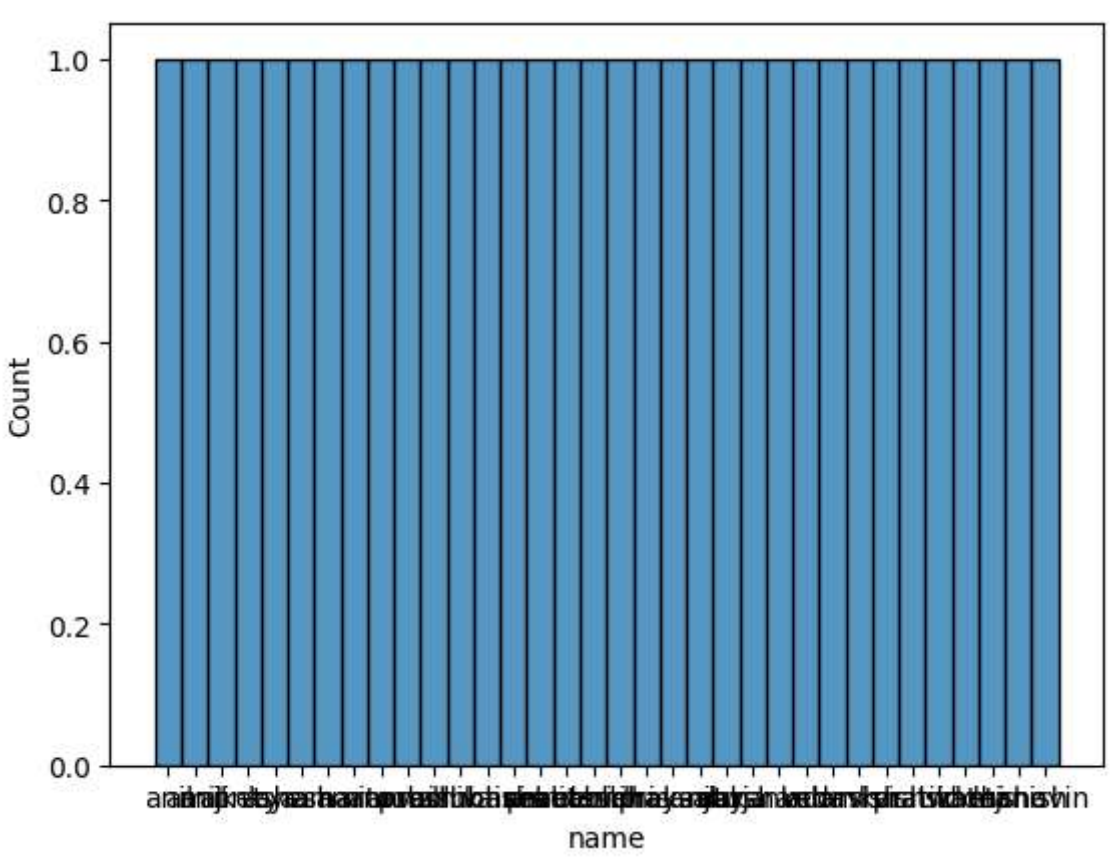
```
df.describe()
```

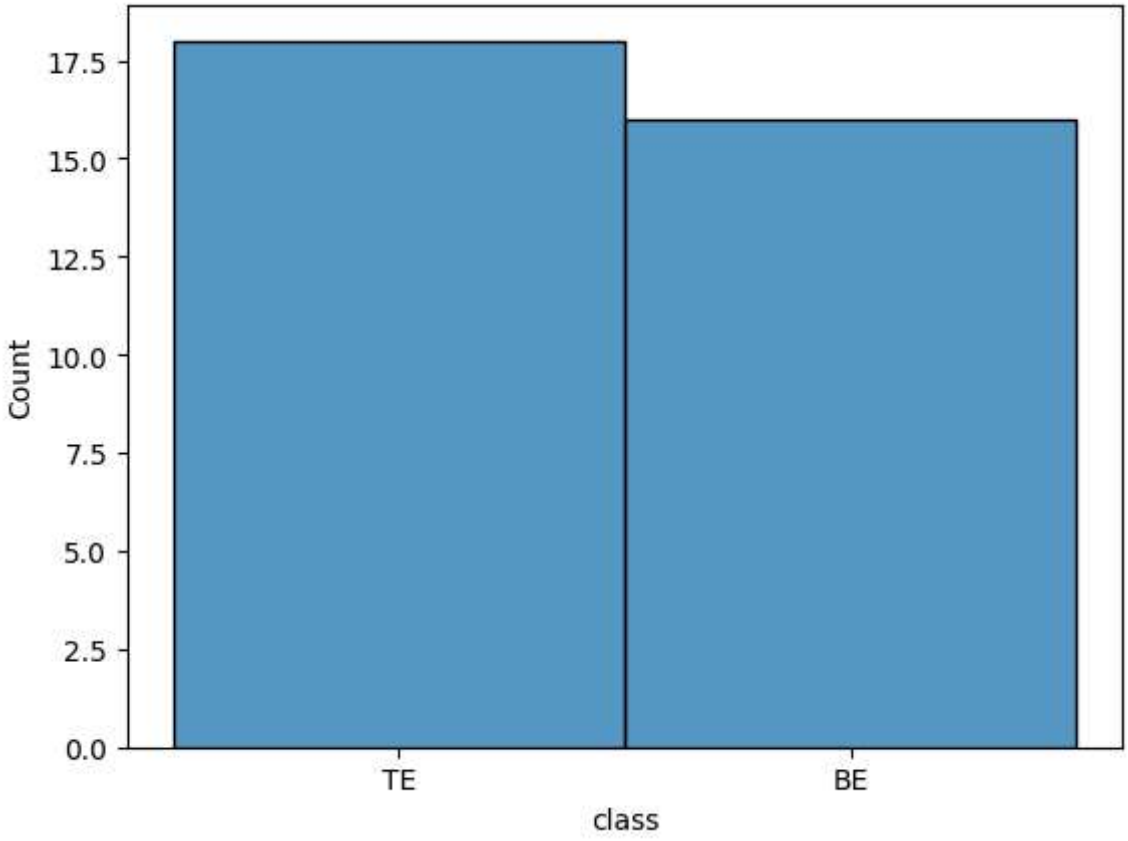
	sr	marks	age
count	34.000000	34.000000	34.000000
mean	17.500000	64.737353	20.647059
std	9.958246	9.074084	0.917254
min	1.000000	47.890000	19.000000
25%	9.250000	57.325000	20.000000
50%	17.500000	63.915000	21.000000
75%	25.750000	71.025000	21.000000
max	34.000000	81.340000	23.000000

```
df.describe(include='object')
```

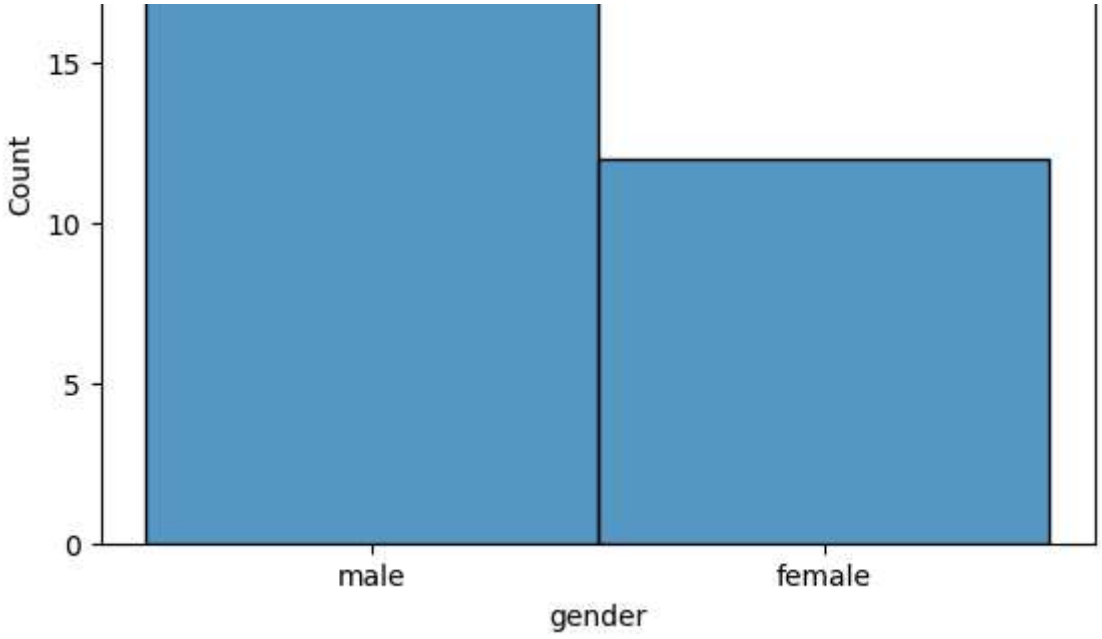
	name	class	gender
count	34	34	34
unique	34	2	2
top	anil	TE	male
freq	1	18	22

```
for i in df.select_dtypes(include="object").columns:
    sns.histplot(data=df,x=i)
    plt.show()
```

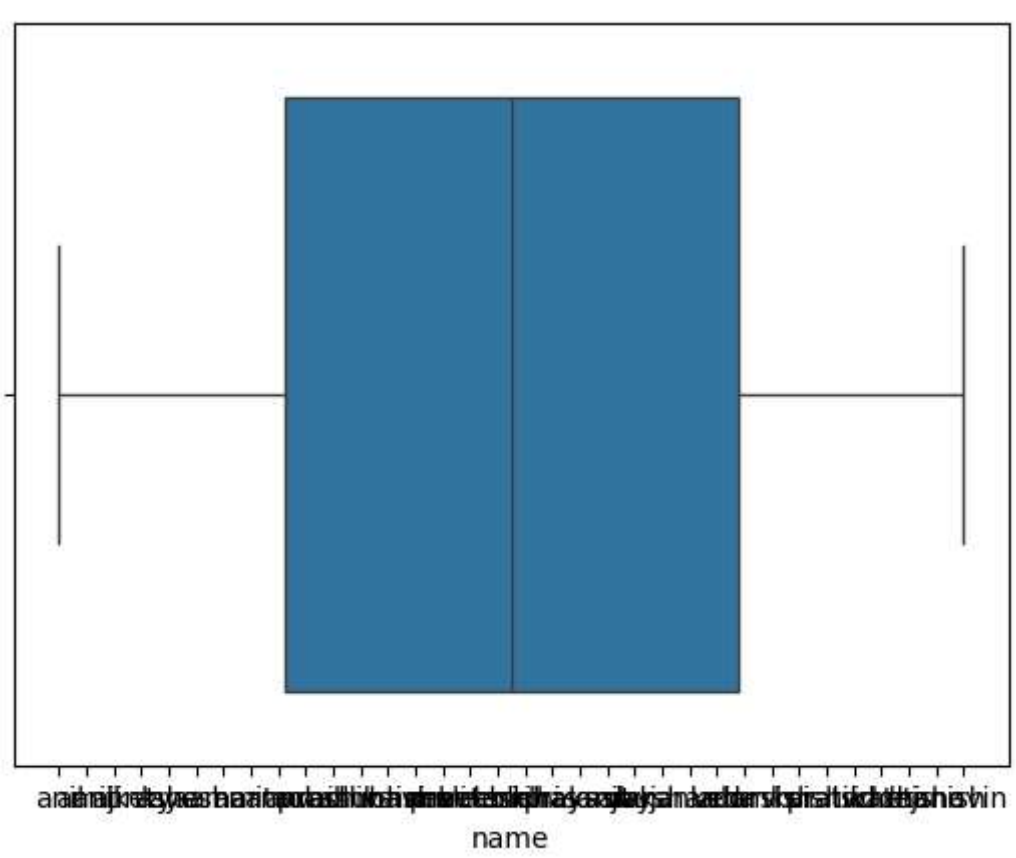

1.0
0.8
0.6
0.4
0.2
0.0
Count
name


17.5
15.0
12.5
10.0
7.5
5.0
2.5
0.0
Count
TE
BE
class


20




```
for i in df.select_dtypes(include="object").columns:
    sns.boxplot(data=df,x=i)
    plt.show()
```


name


TE
BE
class


```
for i in df.select_dtypes(include="object").columns:
    sns.scatterplot(data=df,x=i,y='name')
    plt.show()
```