```
import seaborn as sns
```

```
df=sns.load_dataset('titanic')
df
```

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	deck	e
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	NaN	S
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	C	
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	NaN	S
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	C	S
4	0	3	male	35.0	0	0	8.0500	S	Third	man	True	NaN	S
...	...	...	...	...	...	...	...	...	...	...	...	...	
886	0	2	male	27.0	0	0	13.0000	S	Second	man	True	NaN	S
887	1	1	female	19.0	0	0	30.0000	S	First	woman	False	B	S
888	0	3	female	NaN	1	2	23.4500	S	Third	woman	False	NaN	S
889	1	1	male	26.0	0	0	30.0000	C	First	man	True	C	
890	0	3	male	32.0	0	0	7.7500	Q	Third	man	True	NaN	

891 rows × 15 columns

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

```
survived         0
pclass           0
sex              0
age            177
sibsp            0
parch            0
fare             0
embarked         2
class            0
who              0
adult_male       0
deck           688
embark_town      2
alive            0
alone            0
dtype: int64
```



```
df.drop('deck',inplace=True,axis = 1)
df
```

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class	who	adult_male	embark_
0	0	3	male	22.0	1	0	7.2500	S	Third	man	True	Southam
1	1	1	female	38.0	1	0	71.2833	C	First	woman	False	Cherb
2	1	3	female	26.0	0	0	7.9250	S	Third	woman	False	Southam
3	1	1	female	35.0	1	0	53.1000	S	First	woman	False	Southam

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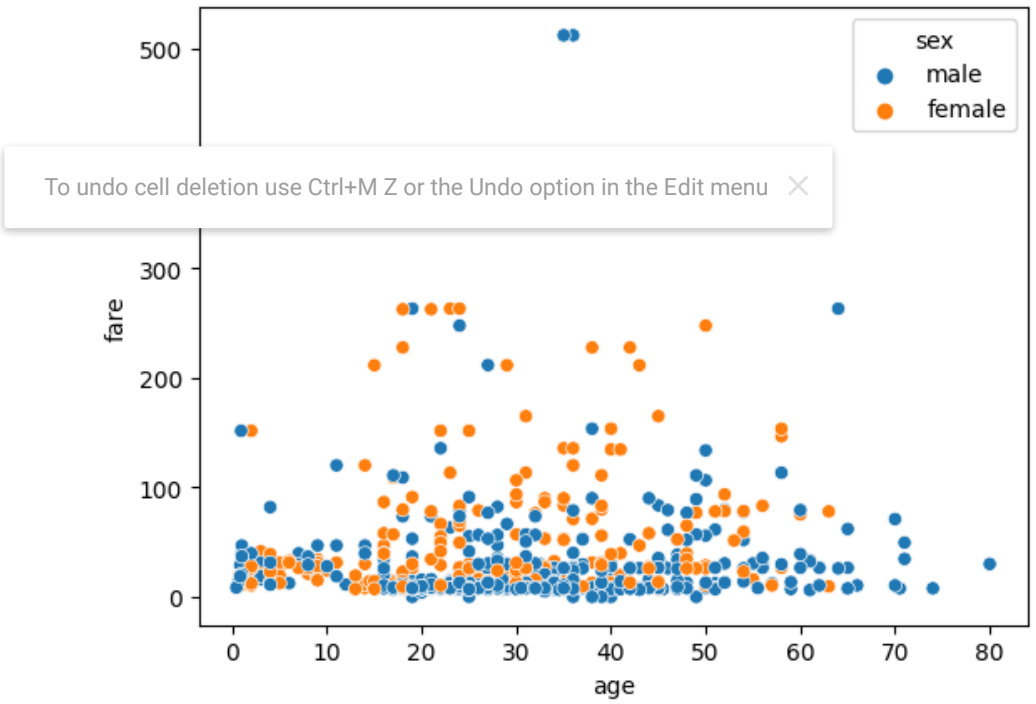
survived         0
pclass           0
sex              0
age            177
sibsp            0
parch            0
fare             0
embarked         2
class            0
who              0
adult_male       0
embark_town      2
alive            0
alone            0
dtype: int64
```

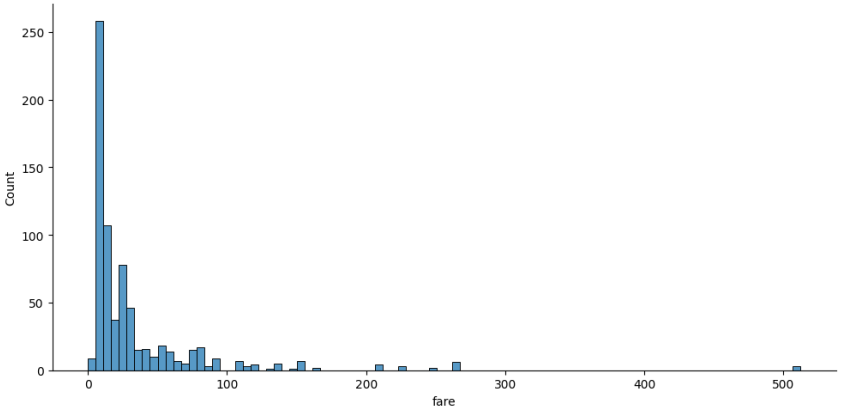
```
sns.scatterplot(x='age',hue = 'sex', y='fare',data=x1) #hue helps in giving colours and simplifying it to unc
```

```
<Axes: xlabel='age', ylabel='fare'>
```



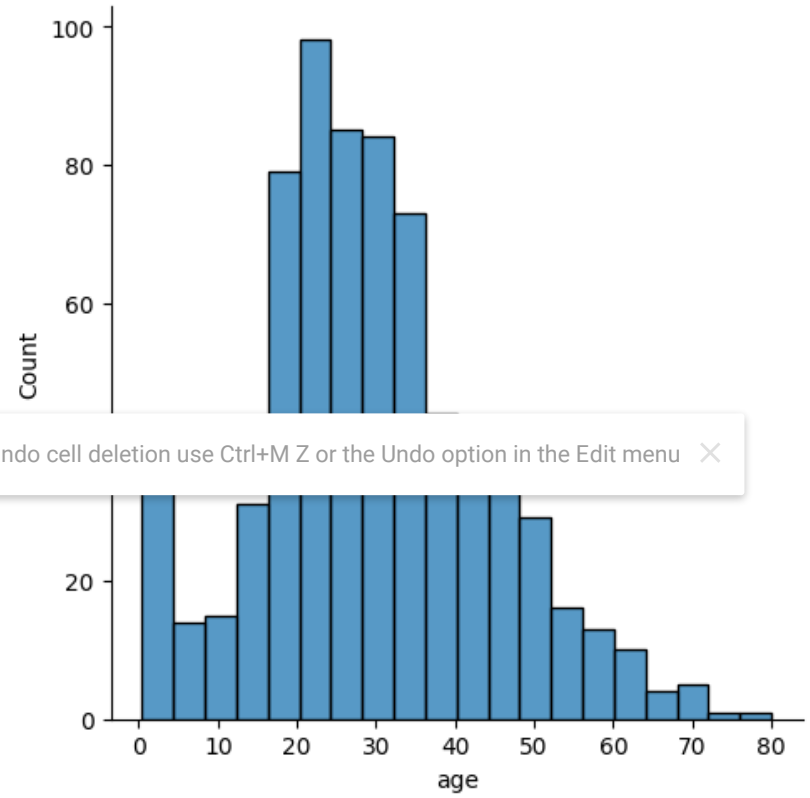

```
sns.displot(x1['fare'],aspect = 2 )
```

```
<seaborn.axisgrid.FacetGrid at 0x152b958f910>
```



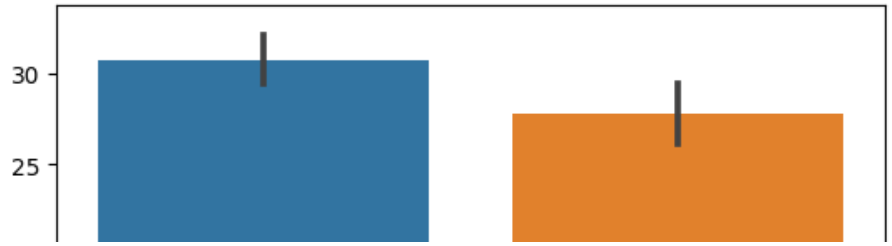

```
sns.displot(x1['age']) #helps in finding out the concentrated age of a praticular age group
```

```
<seaborn.axisgrid.FacetGrid at 0x152bdf08e90>
```



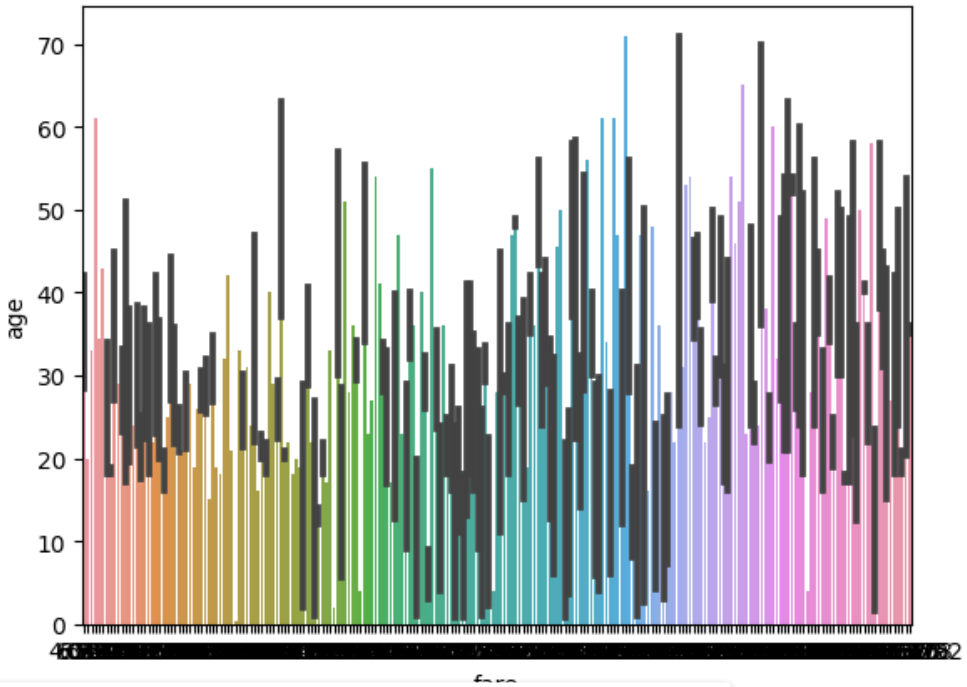

```
sns.barplot(x='sex',y='age',data = x1 )
```

```
<Axes: xlabel='sex', ylabel='age'>
```



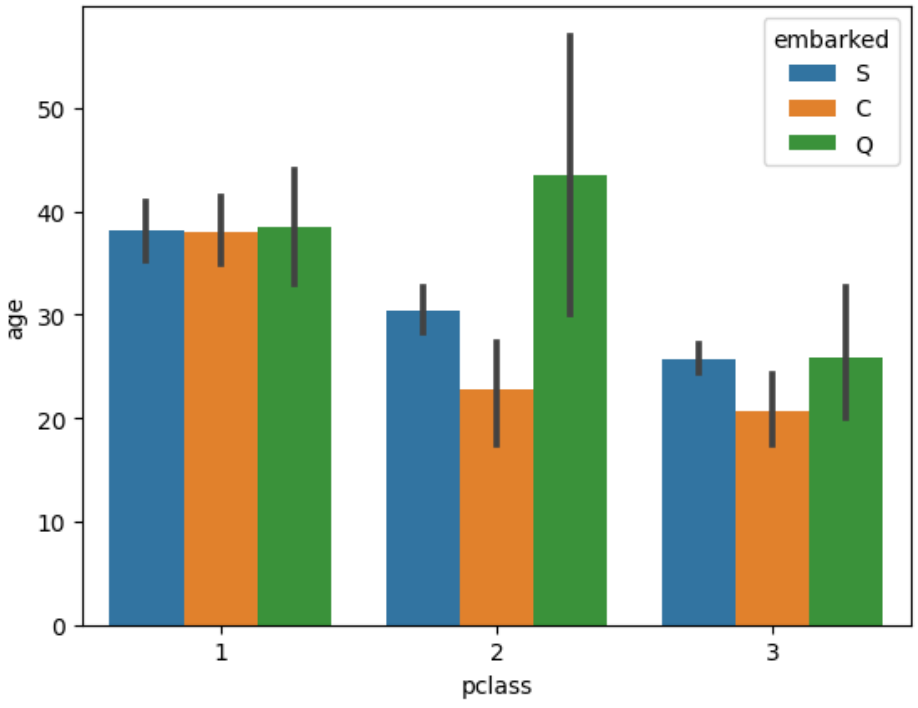

```
sns.barplot(x='fare',y='age',data = x1 )
```

```
<Axes: xlabel='fare', ylabel='age'>
```



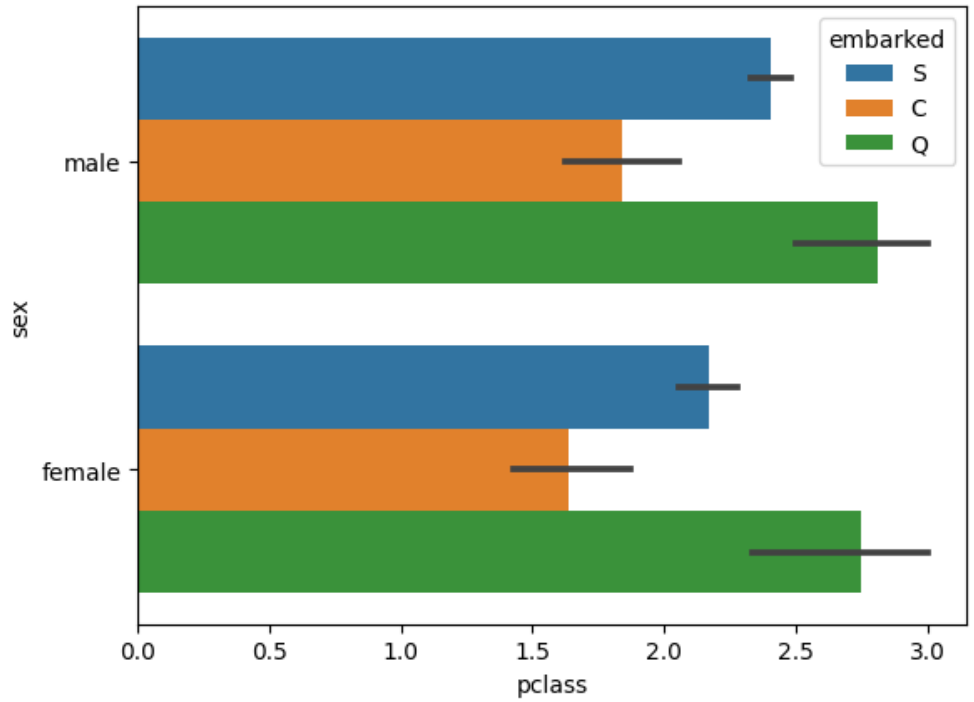

```
sns.barplot(x='pclass',y='age',hue = 'embarked',data = x1 )
```

```
<Axes: xlabel='pclass', ylabel='age'>
```



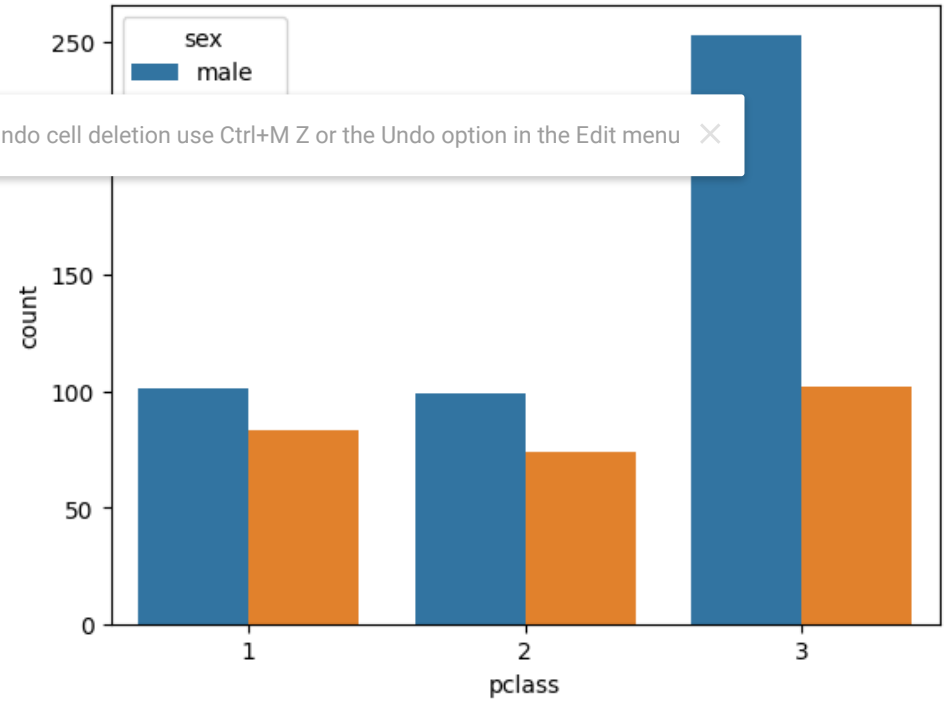
```
#barplot is also important
sns.barplot(x='pclass',y='sex',hue = 'embarked',data = x1 )
```

```
<Axes: xlabel='pclass', ylabel='sex'>
```




```
sns.countplot(x='pclass',hue = 'sex',data = x1)
```

```
<Axes: xlabel='pclass', ylabel='count'>
```




```
sns.countplot(x='sex',hue = 'alive',data = x1)
```

```
<Axes: xlabel='sex', ylabel='count'>
```


```
sns.countplot(x='pclass',hue='alive',data=x1,dodge=False)
```

```
<Axes: xlabel='pclass', ylabel='count'>
```