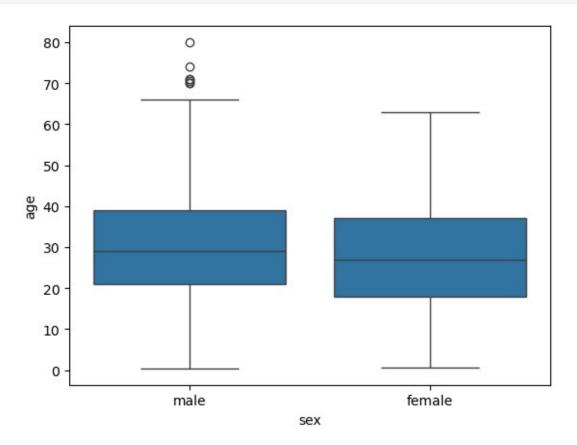
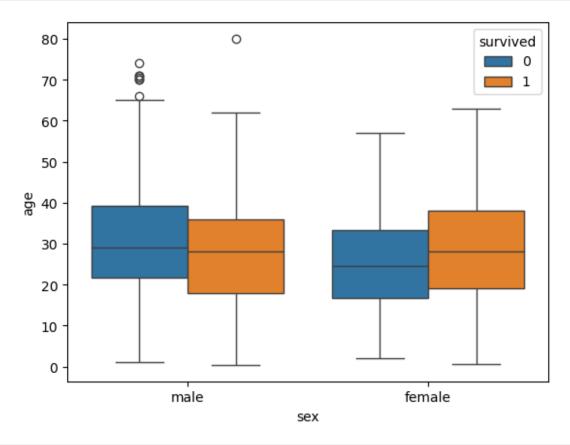
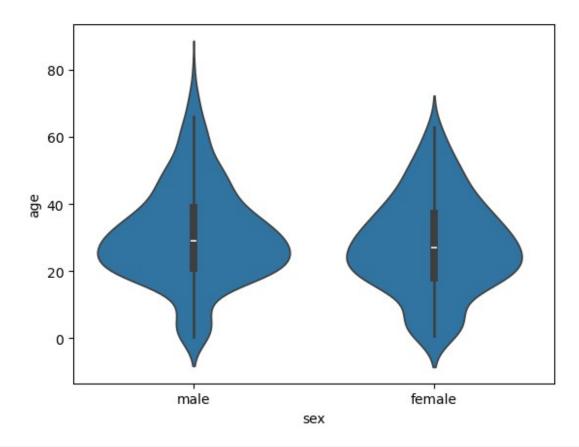
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
dataset = sns.load dataset('titanic')
print(dataset)
     survived pclass
                                  age sibsp parch
                                                         fare embarked
                           sex
class \
                          male
                                 22.0
                                                       7.2500
                     3
                                            1
                                                   0
Third
             1
                        female
                                 38.0
                                            1
                                                      71.2833
                                                                      C
1
First
                        female
                                 26.0
                                            0
                                                       7.9250
                                                                      S
            1
                     3
                                                   0
Third
3
             1
                        female 35.0
                                            1
                                                      53.1000
                                                                      S
First
                          male 35.0
                                                                      S
4
            0
                                            0
                                                       8.0500
Third
. .
. . .
886
            0
                     2
                          male
                                 27.0
                                            0
                                                      13.0000
                                                                      S
Second
887
            1
                        female
                                 19.0
                                            0
                                                   0
                                                      30.0000
                                                                      S
First
888
                        female
                                  NaN
                                            1
                                                      23.4500
                                                                      S
Third
889
                     1
                          male
                                 26.0
                                                      30.0000
                                                                      C
First
                     3
                                            0
890
            0
                          male 32.0
                                                   0
                                                      7.7500
                                                                      0
Third
            adult male deck
                               embark town alive
                                                   alone
       who
0
                   True
                               Southampton
                                                   False
                         NaN
       man
                                               no
1
                  False
                           C
                                 Cherbourg
                                                   False
     woman
                                              yes
2
                  False
                         NaN
                               Southampton
                                                    True
     woman
                                              yes
3
                  False
                           C
                               Southampton
     woman
                                              yes
                                                   False
4
                                                    True
       man
                   True
                         NaN
                               Southampton
                                               no
       . . .
                                              . . .
                               Southampton
886
       man
                   True
                         NaN
                                                    True
                                               no
887
     woman
                  False
                           В
                               Southampton
                                              yes
                                                    True
888
                  False
                         NaN
                               Southampton
                                                   False
     woman
                                               no
889
       man
                   True
                           C
                                 Cherbourg
                                              yes
                                                    True
890
                   True
                         NaN
                                Queenstown
                                                    True
       man
                                               no
[891 rows x 15 columns]
```

dat	aset.h	nead	()							
	survi	/ed	pclass	sex	age	sibsp	parc	h	fare	embarked
cla 0		0	3	male	22.0	1		0	7.2500	S
Thi 1	rd	1	1	female	38.0	1		0	71.2833	С
Fir 2	st	1	3	female	26.0	0		0	7.9250	S
Thi	rd	1	1	female		1		0	53.1000	S
Fir	st									
4 Thi	rd	0	3	male	35.0	0		0	8.0500	S
2	who man woman woman woman man	adı	ult_male True False False False True	NaN C NaN C	embark_1 Southamp Cherbo Southamp Southamp Southamp	oton ourg oton oton	no yes yes	Fa Fa T Fa	one lse lse rue lse rue	
sns	.boxpl	Lot()	<='sex',	y='age	e',data=d	dataset	:)			
<ax< td=""><td>es: xl</td><td>Label</td><td>l='sex',</td><td>ylabel</td><td>.='age'&gt;</td><td></td><td></td><td></td><td></td><td></td></ax<>	es: xl	Label	l='sex',	ylabel	.='age'>					



```
sns.boxplot(x='sex', y='age',hue='survived',data=dataset)
<Axes: xlabel='sex', ylabel='age'>
```





sns.violinplot(x='sex', y='age', data=dataset, hue='survived')
<Axes: xlabel='sex', ylabel='age'>

