In [1]:
```
import seaborn as sns
import matplotlib.pyplot as plt
```

In [2]:
```
# Load the Titanic dataset
titanic = sns.load_dataset('titanic')
```

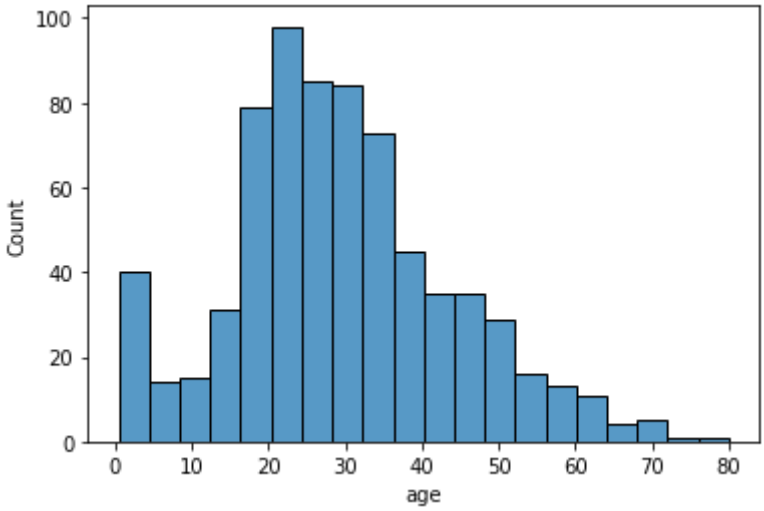
In [3]:
```
# Explore the dataset
print(titanic.head())  # Print the first few rows of the dataset
print(titanic.info())  # Print information about the dataset
selected_columns = titanic.iloc[:, [3, 4, 5]]
print(selected_columns)
# Plot histogram of ticket prices
sns.histplot(data=titanic, x='age')
plt.show()
```

```
   survived  pclass     sex   age  sibsp  parch     fare embarked  class  \
0         0       3    male  22.0      1      0   7.2500        S  Third
1         1       1  female  38.0      1      0  71.2833        C  First
2         1       3  female  26.0      0      0   7.9250        S  Third
3         1       1  female  35.0      1      0  53.1000        S  First
4         0       3    male  35.0      0      0   8.0500        S  Third

     who  adult_male deck  embark_town alive  alone
0    man        True  NaN  Southampton    no  False
1  woman       False    C    Cherbourg   yes  False
2  woman       False  NaN  Southampton   yes   True
3  woman       False    C  Southampton   yes  False
4    man        True  NaN  Southampton    no   True
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 891 entries, 0 to 890
Data columns (total 15 columns):
 #   Column       Non-Null Count  Dtype
---  ------       --------------  -----
 0   survived     891 non-null    int64
 1   pclass       891 non-null    int64
 2   sex          891 non-null    object
 3   age          714 non-null    float64
 4   sibsp        891 non-null    int64
 5   parch        891 non-null    int64
 6   fare         891 non-null    float64
 7   embarked     889 non-null    object
 8   class        891 non-null    category
 9   who          891 non-null    object
 10  adult_male   891 non-null    bool
 11  deck         203 non-null    category
 12  embark_town  889 non-null    object
 13  alive        891 non-null    object
 14  alone        891 non-null    bool
dtypes: bool(2), category(2), float64(2), int64(4), object(5)
memory usage: 80.7+ KB
None
      age  sibsp  parch
0    22.0      1      0
1    38.0      1      0
2    26.0      0      0
3    35.0      1      0
4    35.0      0      0
..    ...    ...    ...
886  27.0      0      0
```

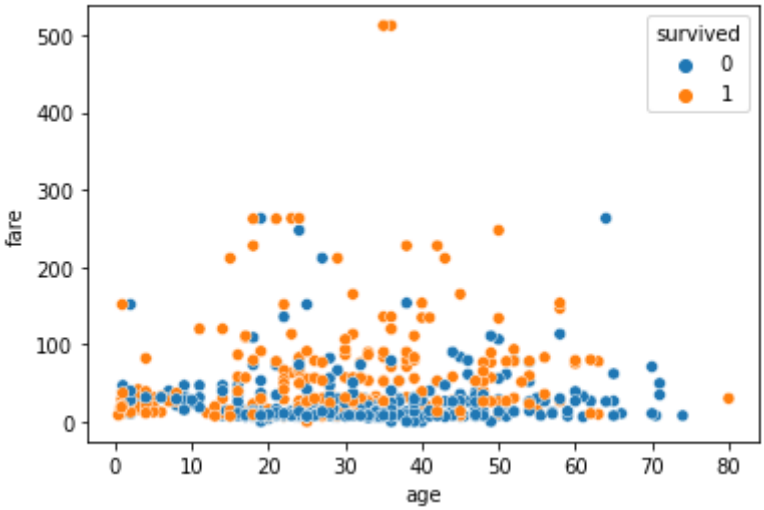
```
887  19.0      0      0
888   NaN      1      2
889  26.0      0      0
890  32.0      0      0

[891 rows x 3 columns]
```



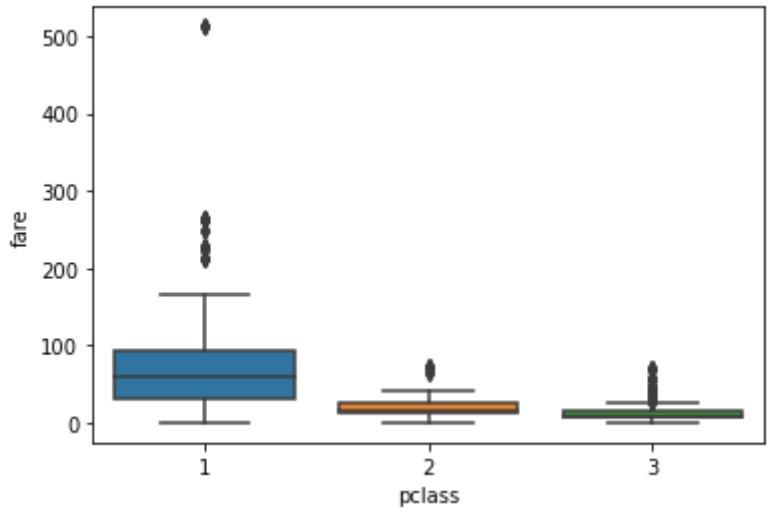

In [4]:

```
sns.scatterplot(data=titanic, x='age', y='fare', hue='survived')
plt.show()
```




In [5]:

```
sns.boxplot(data=titanic, x='pclass', y='fare')
plt.show()
```




In [ ]: