

```
import seaborn as csv

# Read titanic data from a titanic.csv file using seaborn
titanic_data = csv.load_dataset('titanic')

# Print the first 3 rows and the last 5 of the DataFrame
print(titanic_data.head(3))
print(titanic_data.tail(5))

# Display a summary of the data in DataFrame
print(titanic_data.describe())

# Display summary of only female column
print(titanic_data['sex'].value_counts())

# Take a sample of the data using the first 10 rows
print(titanic_data.head(10))

# Sort the DataFrame based on age
titanic_data.sort_values(by='age', inplace=True)
print(titanic_data)
```

min	0.000000	1.000000	0.420000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
25%	0.000000	2.000000	20.125000	0.000000	0.000000	0.000000	7.910400		
50%	0.000000	3.000000	28.000000	0.000000	0.000000	0.000000	14.454200		
75%	1.000000	3.000000	38.000000	1.000000	0.000000	0.000000	31.000000		
max	1.000000	3.000000	80.000000	8.000000	6.000000	512.329200			
male	577								
female	314								

Name: sex, dtype: int64

	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
5	0	3	male	NaN	0	0	8.4583	Q	Third
6	0	1	male	54.0	0	0	51.8625	S	First
7	0	3	male	2.0	3	1	21.0750	S	Third
8	1	3	female	27.0	0	2	11.1333	S	Third
9	1	2	female	14.0	1	0	30.0708	C	Second

	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
5	man	True	NaN	Queenstown	no	True
6	man	True	E	Southampton	no	True
7	child	False	NaN	Southampton	no	False
8	woman	False	NaN	Southampton	yes	False
9	child	False	NaN	Cherbourg	yes	False

	survived	pclass	sex	age	sibsp	parch	fare	embarked	class \
803	1	3	male	0.42	0	1	8.5167	C	Third
755	1	2	male	0.67	1	1	14.5000	S	Second
644	1	3	female	0.75	2	1	19.2583	C	Third
469	1	3	female	0.75	2	1	19.2583	C	Third
78	1	2	male	0.83	0	2	29.0000	S	Second
..
859	0	3	male	NaN	0	0	7.2292	C	Third
863	0	3	female	NaN	8	2	69.5500	S	Third
868	0	3	male	NaN	0	0	9.5000	S	Third
878	0	3	male	NaN	0	0	7.8958	S	Third
888	0	3	female	NaN	1	2	23.4500	S	Third

	who	adult_male	deck	embark_town	alive	alone
803	child	False	NaN	Cherbourg	yes	False
755	child	False	NaN	Southampton	yes	False
644	child	False	NaN	Cherbourg	yes	False
469	child	False	NaN	Cherbourg	yes	False
78	child	False	NaN	Southampton	yes	False
..
859	man	True	NaN	Cherbourg	no	True
863	woman	False	NaN	Southampton	no	False
868	man	True	NaN	Southampton	no	True
878	man	True	NaN	Southampton	no	True
888	woman	False	NaN	Southampton	no	False

[891 rows x 15 columns]

