```
pip install seaborn


import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns


titanic = sns.load_dataset('titanic')


titanic.head()


sns.displot(titanic['age'], bins = 10)


sns.displot(titanic['age'], bins = 10, kde = False)


sns.jointplot(x = titanic['age'], y = titanic['fare'], kind = 'scatter')
sns.jointplot(x = titanic['age'], y = titanic['fare'], kind = 'hex')


sns.rugplot(titanic['fare'])


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


sns.barplot(x = 'sex', y = 'age', data = titanic, estimator = np.std)


sns.countplot(x = 'sex', data = titanic)


sns.boxplot(x = 'sex', y = 'age', data = titanic)


sns.violinplot(x = 'sex', y = 'age', data = titanic)


sns.stripplot(x = 'sex', y = 'age', data = titanic, jitter=False)
```

```python
sns.stripplot(x = 'sex', y = 'age', data = titanic, jitter=True)

sns.stripplot(x = 'sex', y = 'age', data = titanic, jitter=True, hue = 'survived')

sns.swarmplot(x = 'sex', y = 'age', data = titanic)

sns.swarmplot(x = 'sex', y = 'age', data = titanic, hue = 'survived')

titanic.corr(numeric_only= True)

sns.heatmap(titanic.corr(numeric_only= True))

sns.heatmap(titanic.corr(numeric_only= True), annot = True)

sns.heatmap(titanic.corr(numeric_only= True), cmap = 'YlGnBu')

plt.hist(x = titanic['fare'], bins = 20)
```