```
import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline
df=pd.read_csv('heart_failure_clinical_records_dataset.csv')
data = df.head()


sns.relplot(x="smoking", y="age", kind = "scatter", data=df);


sns.relplot(x="age", y="serum_creatinine", hue="smoking", data=df);



sns.catplot(x="sex", y="smoking", hue="sex", kind="bar", data=df)


sns.displot(df, x="age", y="sex", hue = 'sex')

sns.catplot(x="diabetes", y="serum_creatinine", kind="box", data=df)


sns.displot(df, x="age",y="time")


sns.displot(df, x="age",y="ejection_fraction")
sns.catplot(x="sex", y="ejection_fraction", kind="swarm", data=df)

sns.displot(df, x="ejection_fraction", col="sex")

sns.displot(df.dropna(), x="diabetes", col="sex", multiple="dodge")

sns.pairplot(df)
```