```
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt


df=pd.read_csv('/content/heart.csv')
df
```

	age	sex	cp	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	slope	ca	thal	target
0	52	1	0	125	212	0	1	168	0	1.0	2	2	3	0
1	53	1	0	140	203	1	0	155	1	3.1	0	0	3	0
2	70	1	0	145	174	0	1	125	1	2.6	0	0	3	0
3	61	1	0	148	203	0	1	161	0	0.0	2	1	3	0
4	62	0	0	138	294	1	1	106	0	1.9	1	3	2	0
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1020	59	1	1	140	221	0	1	164	1	0.0	2	0	2	1
1021	60	1	0	125	258	0	0	141	1	2.8	1	1	3	0
1022	47	1	0	110	275	0	0	118	1	1.0	1	1	2	0
1023	50	0	0	110	254	0	0	159	0	0.0	2	0	2	1
1024	54	1	0	120	188	0	1	113	0	1.4	1	1	3	0

1025 rows × 14 columns

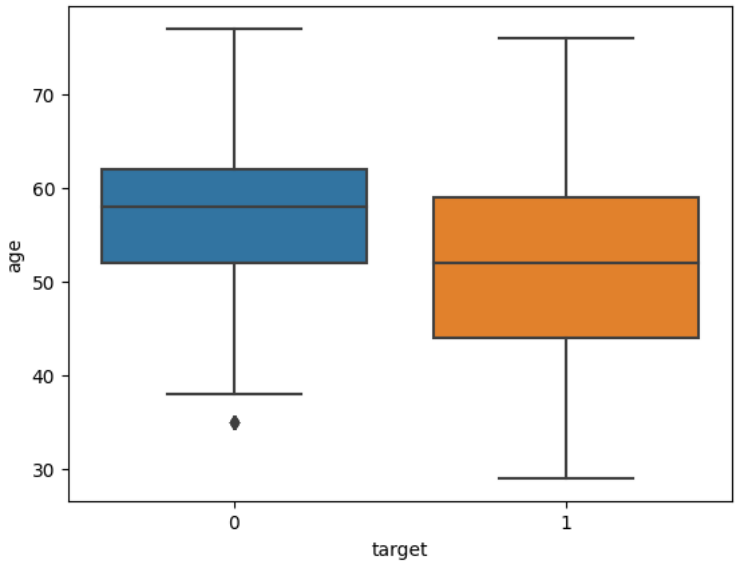
```
df.columns
```

```
Index(['age', 'sex', 'cp', 'trestbps', 'chol', 'fbs', 'restecg', 'thalach',
       'exang', 'oldpeak', 'slope', 'ca', 'thal', 'target'],
```

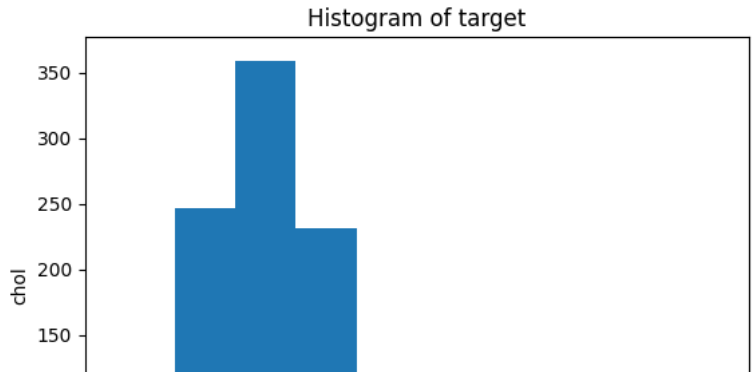


```
#boxplot
sns.boxplot(x='target',y='age',data=df)
```

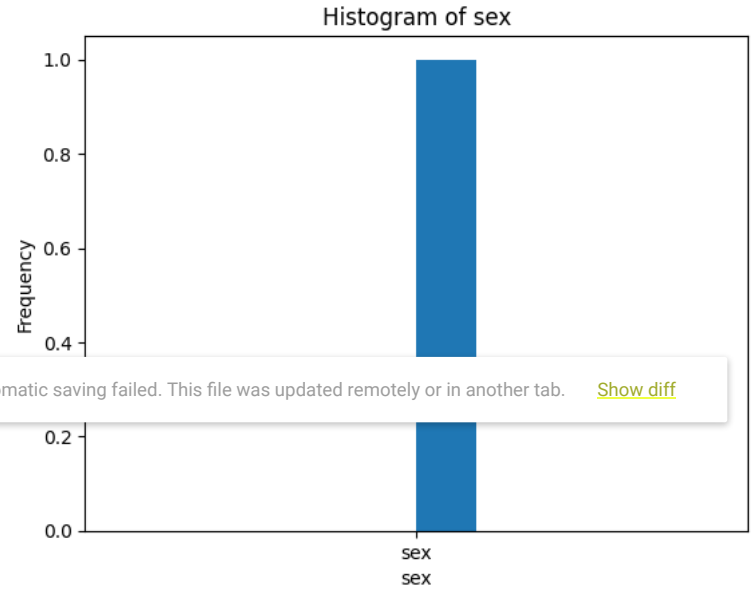
```
<Axes: xlabel='target', ylabel='age'>
```



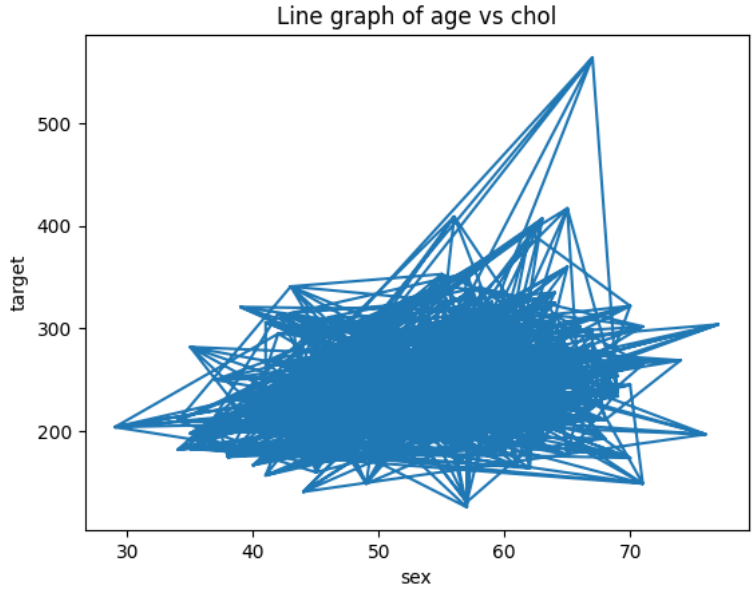

```
plt.hist(df['chol'])
plt.xlabel('target')
plt.ylabel('chol')
plt.title('Histogram of target')
plt.show()
```



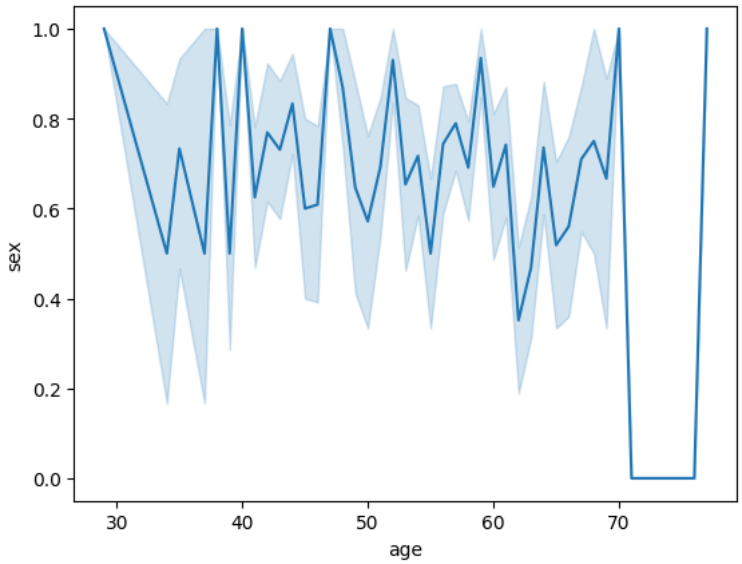

```
plt.hist(['sex'],bins=10)
plt.xlabel('sex')
plt.ylabel('Frequency')
plt.title('Histogram of sex')
plt.show()
```




```
plt.plot(df['age'],df['chol'])
plt.xlabel('sex')
plt.ylabel('target')
plt.title('Line graph of age vs chol')
plt.show()
```




```
sns.lineplot(data=df, x='age', y='sex')
plt.show()
```




```
sns.regplot(data=df, x='age', y='sex')
```

```
<Axes: xlabel='age', ylabel='sex'>
```