

	Drug	Cholesterol	count
0	drugA	HIGH	12
1	drugA	NORMAL	11
2	drugB	HIGH	8
3	drugB	NORMAL	8
4	drugC	HIGH	16
5	drugX	HIGH	20
6	drugX	NORMAL	34
7	drugY	HIGH	47
8	drugY	NORMAL	44

	Drug	BP	count
0	drugA	HIGH	23
1	drugB	HIGH	16
2	drugC	LOW	16
3	drugX	LOW	18
4	drugX	NORMAL	36
5	drugY	HIGH	38
6	drugY	LOW	30
7	drugY	NORMAL	23

	Age	Sex	BP	Cholesterol	Na_to_K	Drug
0	23	0	HIGH	1	25.355	1
1	47	1	LOW	1	13.093	2
2	47	1	LOW	1	10.114	2
3	28	0	NORMAL	1	7.798	3
4	61	0	LOW	1	18.043	1

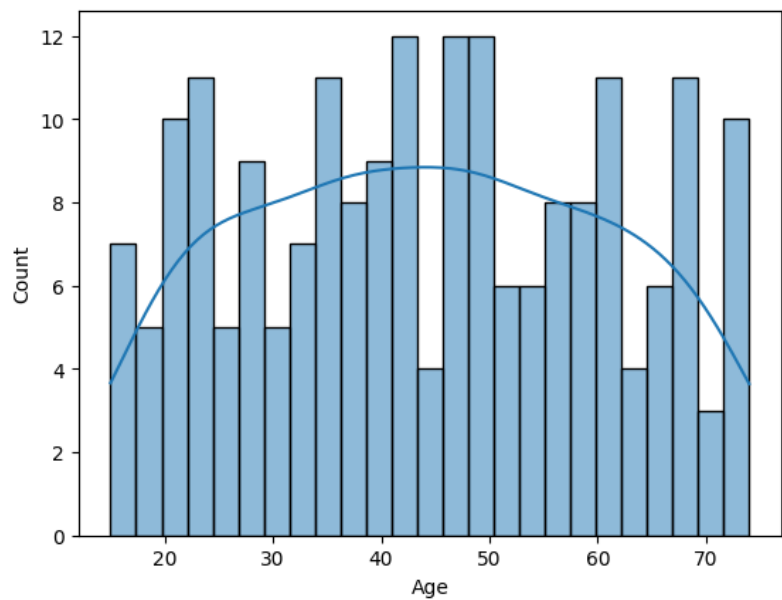
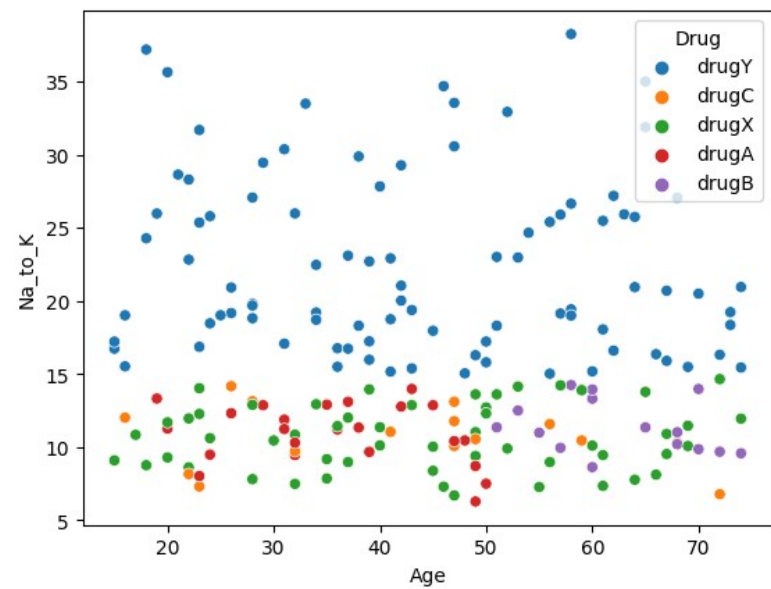
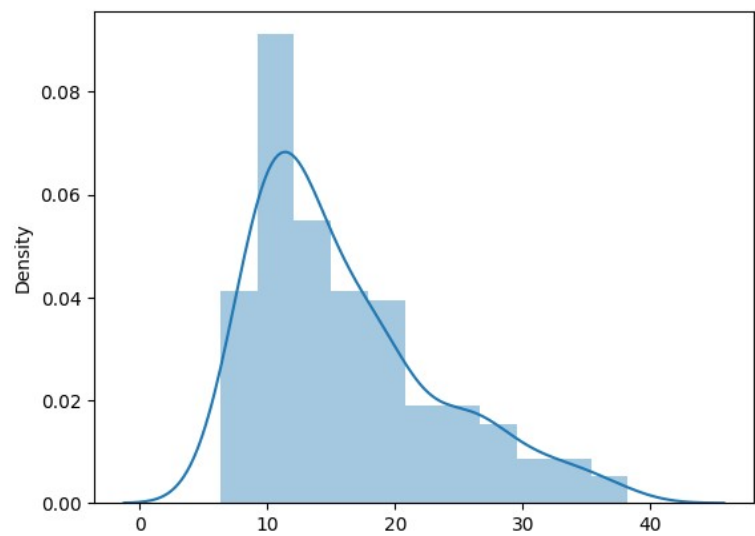
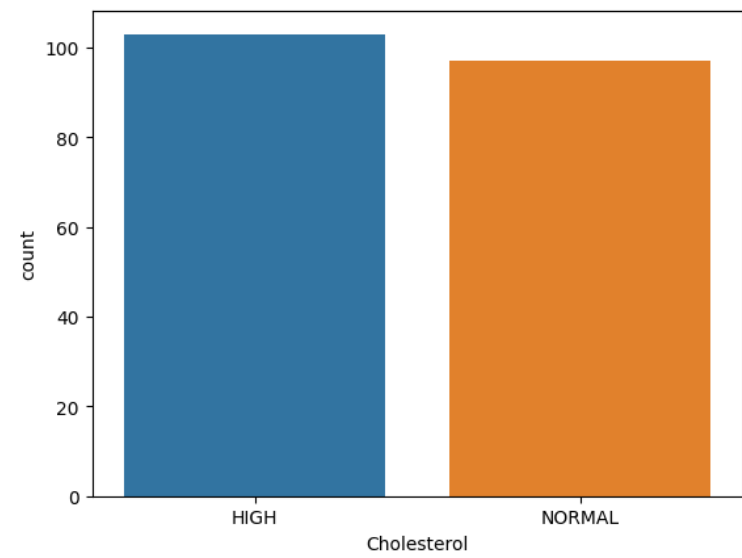
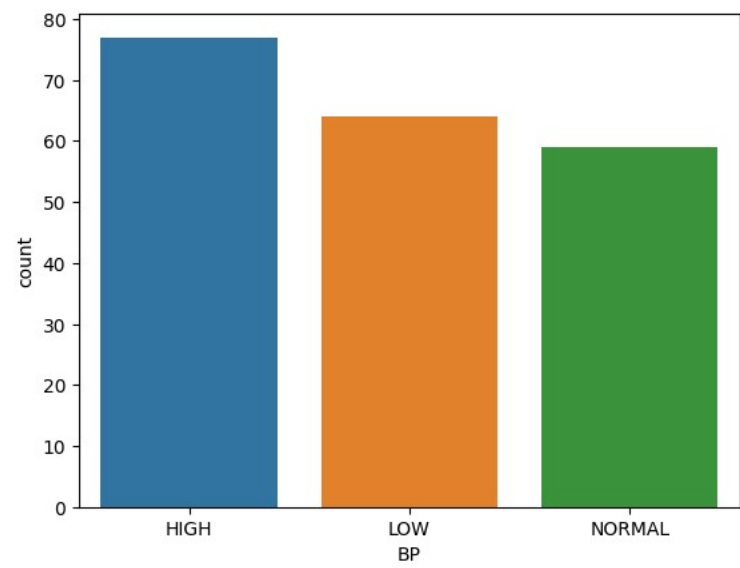
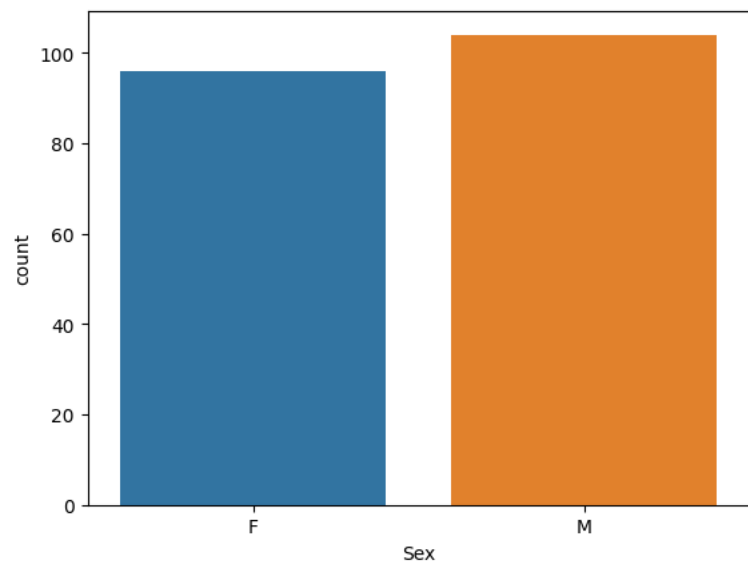
(200, 6)



	Age	Sex	Cholesterol	Na_to_K	Drug	BP_HIGH	BP_LOW	BP_NORMAL
0	23	0	1	25.355	1	1	0	0
1	47	1	1	13.093	2	0	1	0
2	47	1	1	10.114	2	0	1	0
3	28	0	1	7.798	3	0	0	1
4	61	0	1	18.043	1	0	1	0

x train shape (160, 7)
x test shape (40, 7)
y train shape (160, 1)
y test shape (40, 1)

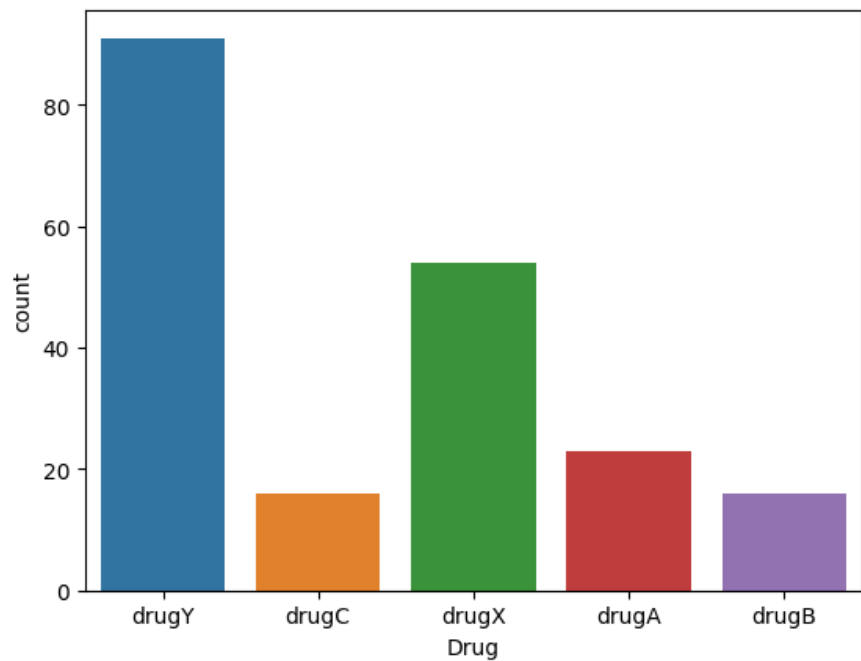
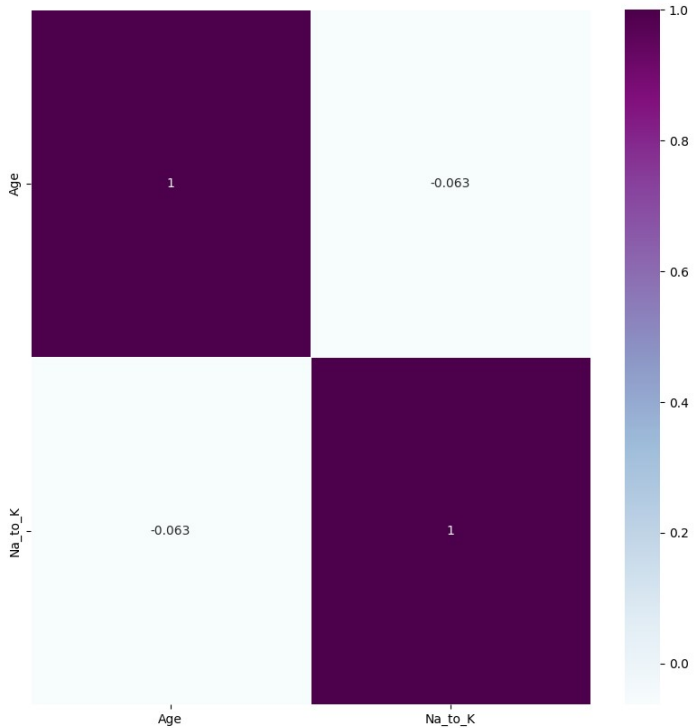
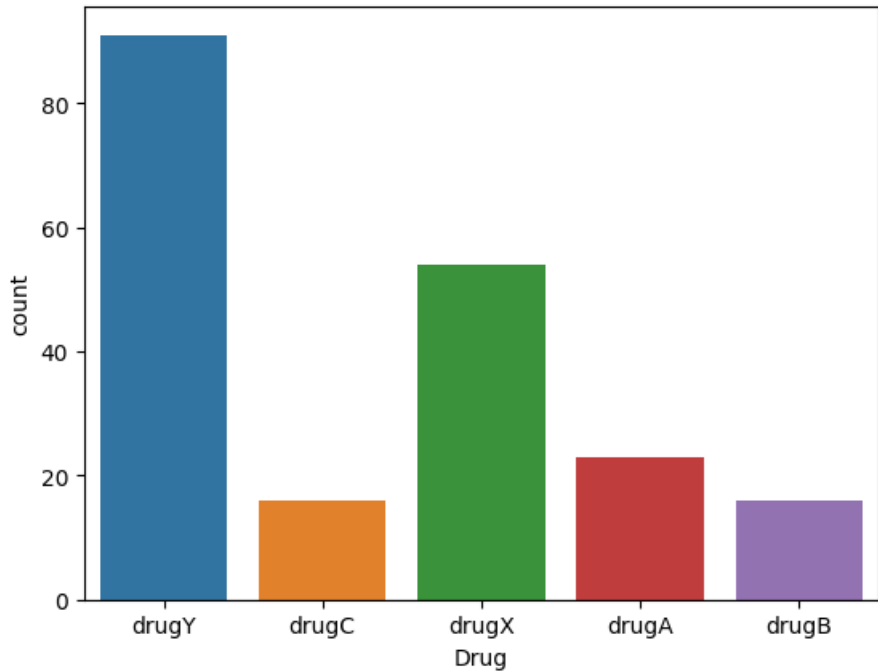
100.0
100.0



	Age	Sex	BP	Cholesterol	Na_to_K	Drug
0	23	F	HIGH	HIGH	25.355	drugY
1	47	M	LOW	HIGH	13.093	drugC
2	47	M	LOW	HIGH	10.114	drugC
3	28	F	NORMAL	HIGH	7.798	drugX
4	61	F	LOW	HIGH	18.043	drugY

Age	0	drugY	91
Sex	0	drugX	54
BP	0	drugA	23
Cholesterol	0	drugC	16
Na_to_K	0	drugB	16
Drug	0	Name: Drug, dtype: int64	
dtype: int64			

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 200 entries, 0 to 199
Data columns (total 6 columns):
#   Column          Non-Null Count  Dtype
---  -
0   Age              200 non-null    int64
1   Sex              200 non-null    object
2   BP               200 non-null    object
3   Cholesterol      200 non-null    object
4   Na_to_K          200 non-null    float64
5   Drug             200 non-null    object
dtypes: float64(1), int64(1), object(4)
memory usage: 9.5+ KB
```



HIGH	77
LOW	64
NORMAL	59
Name: BP, dtype: int64	

HIGH	103
NORMAL	97
Name: Cholesterol, dtype: int64	

count	200.000000
mean	16.084485
std	7.223956
min	6.269000
25%	10.445500
50%	13.936500
75%	19.380000
max	38.247000
Name: Na_to_K, dtype: float64	