```
#PRIYA MORE


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



df=pd.read_csv("iris.csv")


df.shape
```

```
(150, 5)
```

```
df.columns
```

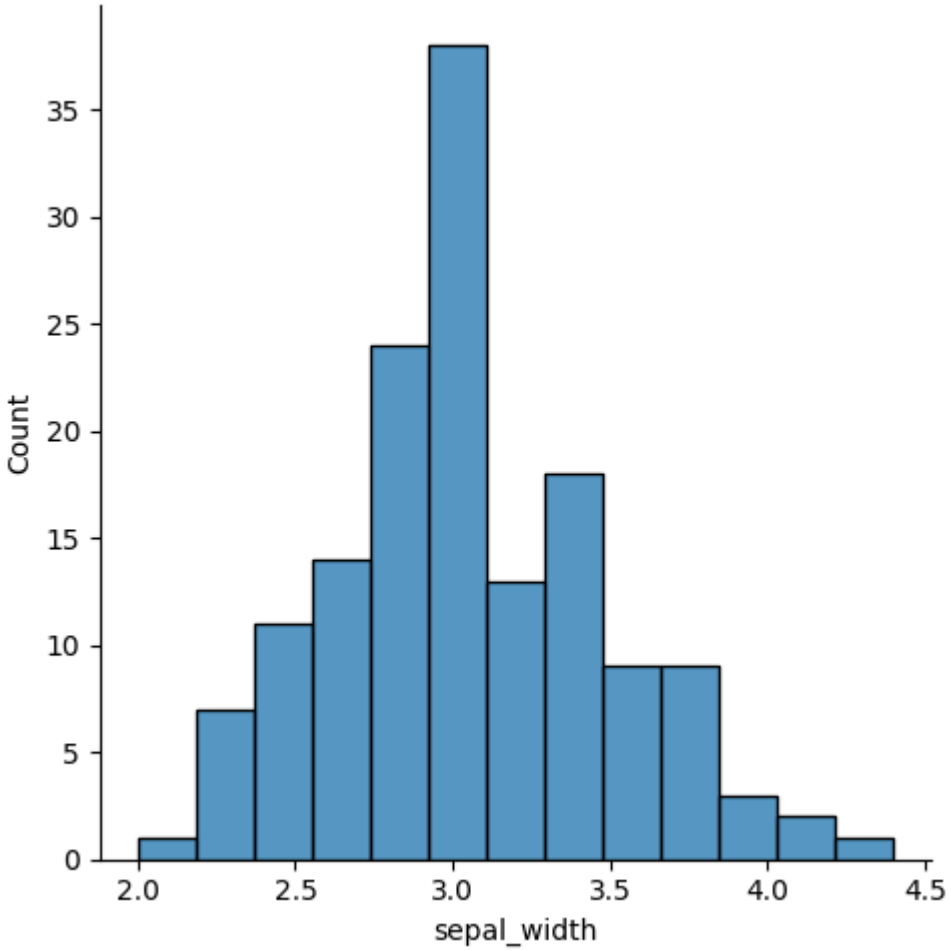
```
Index(['sepal_length', 'sepal_width', 'petal_length', 'petal_width',
       'species'],
      dtype='object')
```

```
df.dtypes
```

```
sepal_length    float64
sepal_width     float64
petal_length    float64
petal_width     float64
species          object
dtype: object
```

```
sns.displot(df['sepal_width'])
```

```
<seaborn.axisgrid.FacetGrid at 0x7a2f7680d4e0>
```

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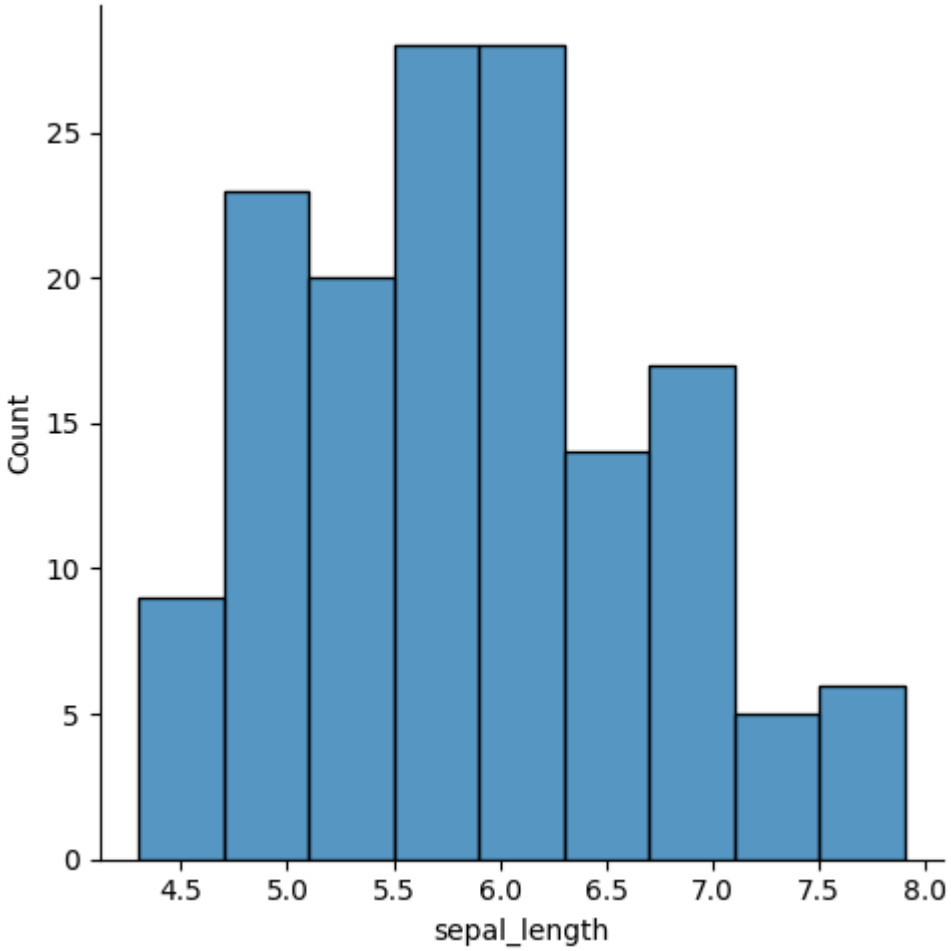
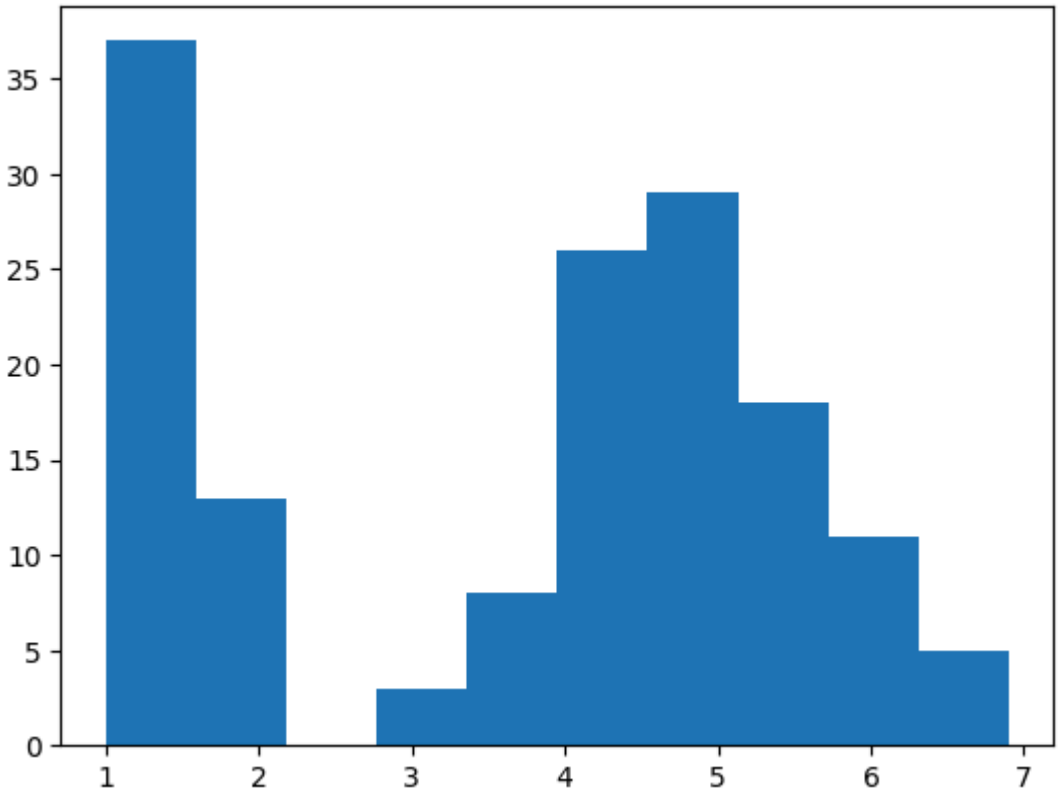
<seaborn.axisgrid.FacetGrid at 0x7a2f7766a5c0>
```



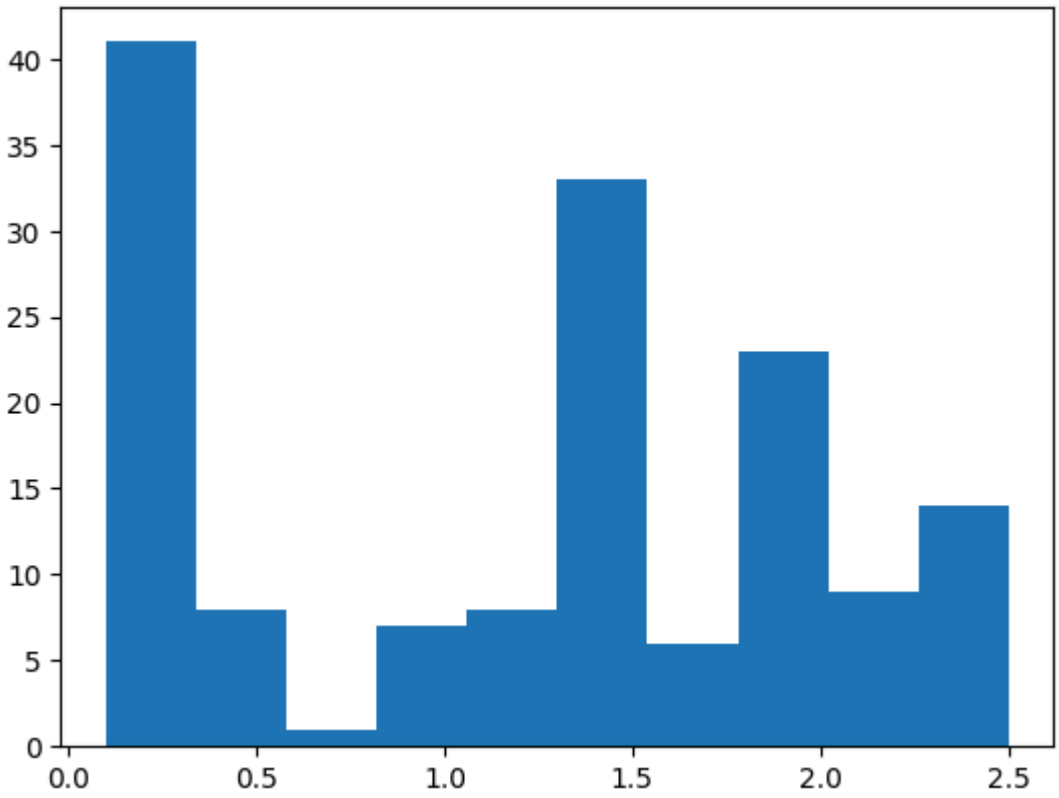

```
plt.hist(df['petal_length'])
```

```
(array([37., 13.,  0.,  3.,  8., 26., 29., 18., 11.,  5.]),
 array([1.  , 1.59, 2.18, 2.77, 3.36, 3.95, 4.54, 5.13, 5.72, 6.31, 6.9 ]),
 <BarContainer object of 10 artists>)
```



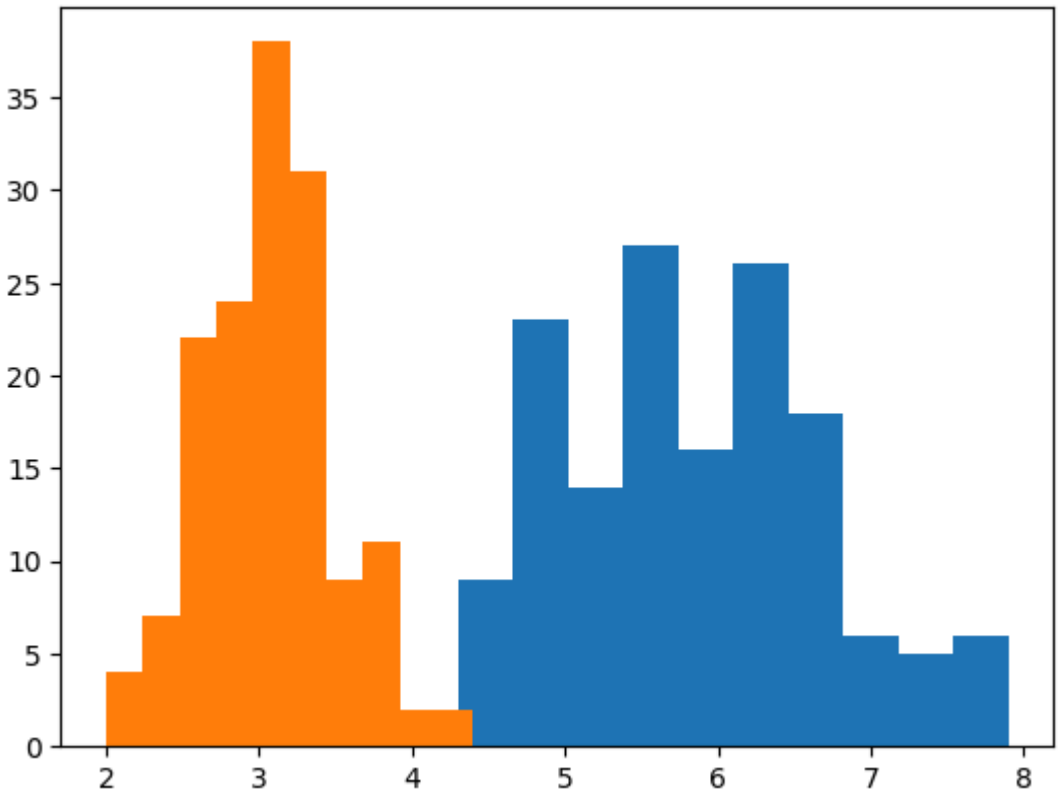

```
plt.hist(df['petal_width'])
```

```
(array([41.,  8.,  1.,  7.,  8., 33.,  6., 23.,  9., 14.]),
 array([0.1 , 0.34, 0.58, 0.82, 1.06, 1.3 , 1.54, 1.78, 2.02, 2.26, 2.5 ]),
 <BarContainer object of 10 artists>)
```



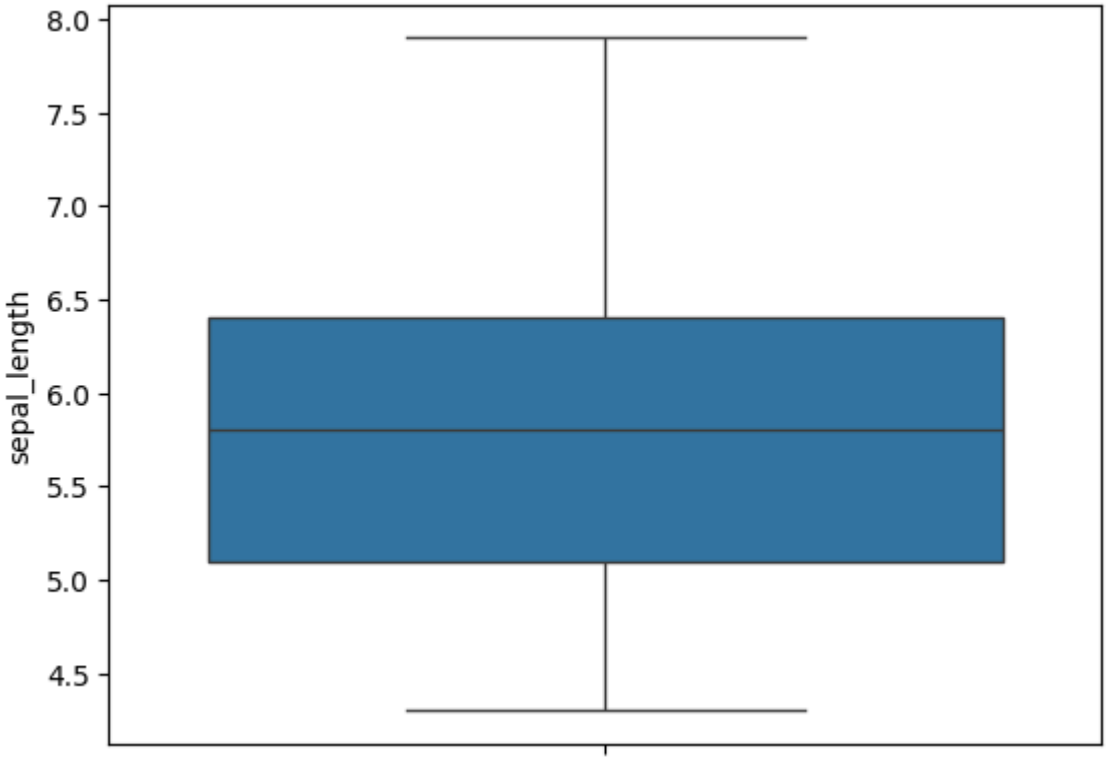
```
plt.hist(df['sepal_length'])
plt.hist(df['sepal_width'])
```

```
(array([ 4.,  7., 22., 24., 38., 31.,  9., 11.,  2.,  2.]),
 array([2.  , 2.24, 2.48, 2.72, 2.96, 3.2 , 3.44, 3.68, 3.92, 4.16, 4.4 ]),
 <BarContainer object of 10 artists>)
```




```
sns.boxplot(df['sepal_length'])
```

```
<Axes: ylabel='sepal_length'>
```

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<Axes: ylabel='sepal_width'>
```

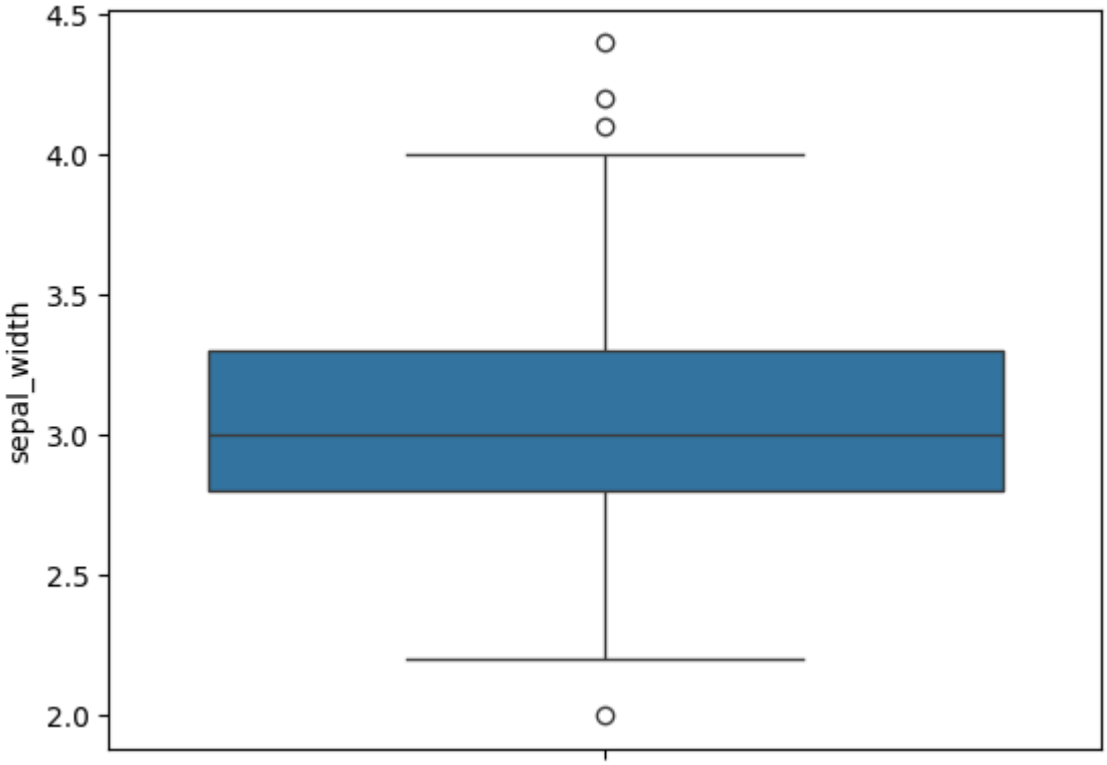


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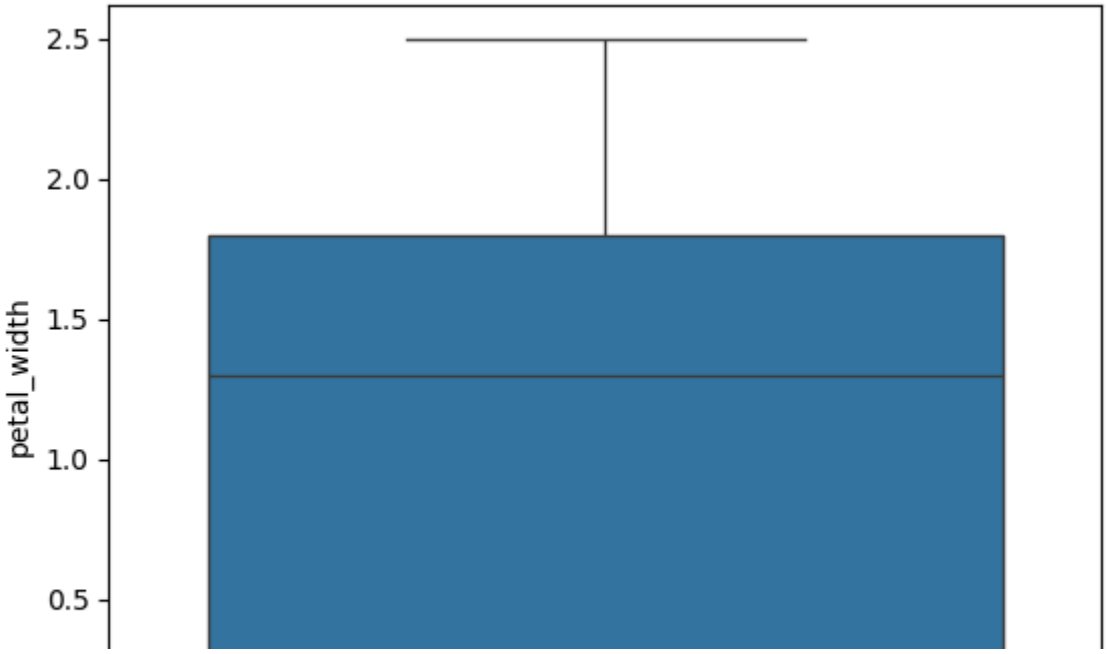


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