Import Necessary Libraries

In [ ]:
```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

Import Dataset

In [ ]:
```
dataset = pd.read_csv('iris.csv')
dataset.head()
```

Out[ ]:

	Id	SepalLengthCm	SepalWidthCm	PetalLengthCm	PetalWidthCm	Species
0	1	5.1	3.5	1.4	0.2	Iris-setosa
1	2	4.9	3.0	1.4	0.2	Iris-setosa
2	3	4.7	3.2	1.3	0.2	Iris-setosa
3	4	4.6	3.1	1.5	0.2	Iris-setosa
4	5	5.0	3.6	1.4	0.2	Iris-setosa

Analyse Dataset

In [ ]:
```
dataset.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 150 entries, 0 to 149
Data columns (total 6 columns):
 #   Column         Non-Null Count  Dtype  
---  ------         --------------  -----  
 0   Id             150 non-null    int64  
 1   SepalLengthCm  150 non-null    float64
 2   SepalWidthCm   150 non-null    float64
 3   PetalLengthCm  150 non-null    float64
 4   PetalWidthCm   150 non-null    float64
 5   Species        150 non-null    object 
dtypes: float64(4), int64(1), object(1)
memory usage: 7.2+ KB
```

In [ ]:
```
dataset.describe()
```

Out[ ]:

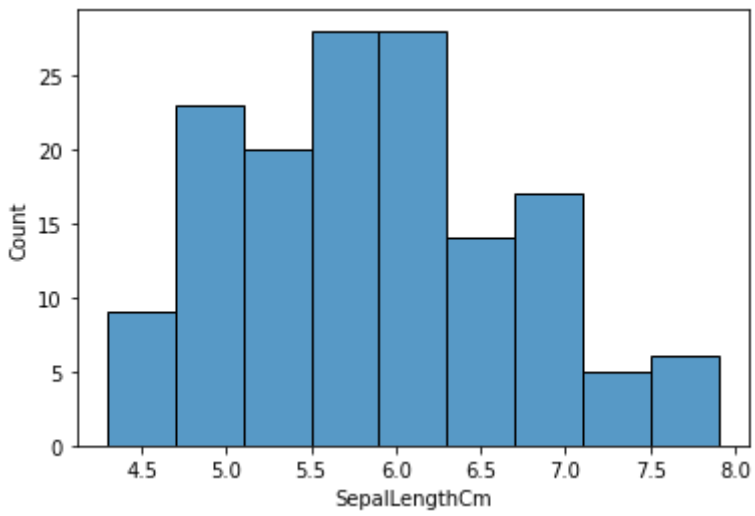
	Id	SepalLengthCm	SepalWidthCm	PetalLengthCm	PetalWidthCm
count	150.000000	150.000000	150.000000	150.000000	150.000000
mean	75.500000	5.843333	3.054000	3.758667	1.198667
std	43.445368	0.828066	0.433594	1.764420	0.763161
min	1.000000	4.300000	2.000000	1.000000	0.100000
25%	38.250000	5.100000	2.800000	1.600000	0.300000
50%	75.500000	5.800000	3.000000	4.350000	1.300000
75%	112.750000	6.400000	3.300000	5.100000	1.800000
max	150.000000	7.900000	4.400000	6.900000	2.500000

In [ ]:
```
dataset.dtypes
```

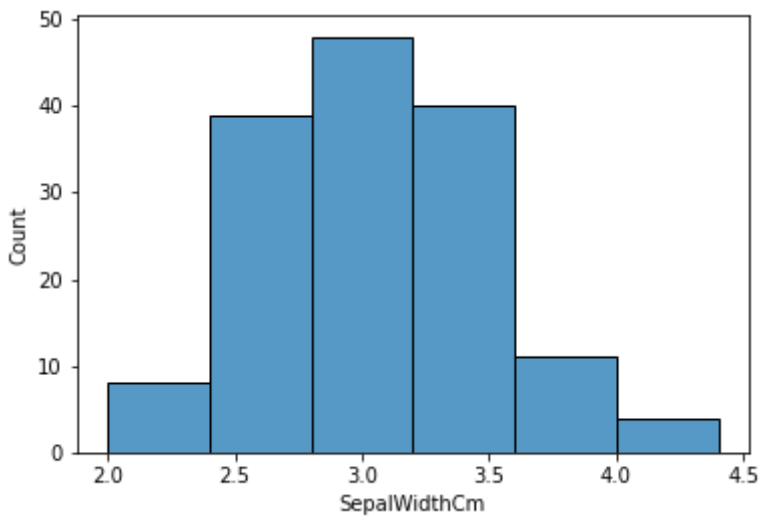
Out[ ]:
```
Id                int64
SepalLengthCm    float64
SepalWidthCm     float64
PetalLengthCm    float64
PetalWidthCm     float64
Species           object
dtype: object
```

Histogram

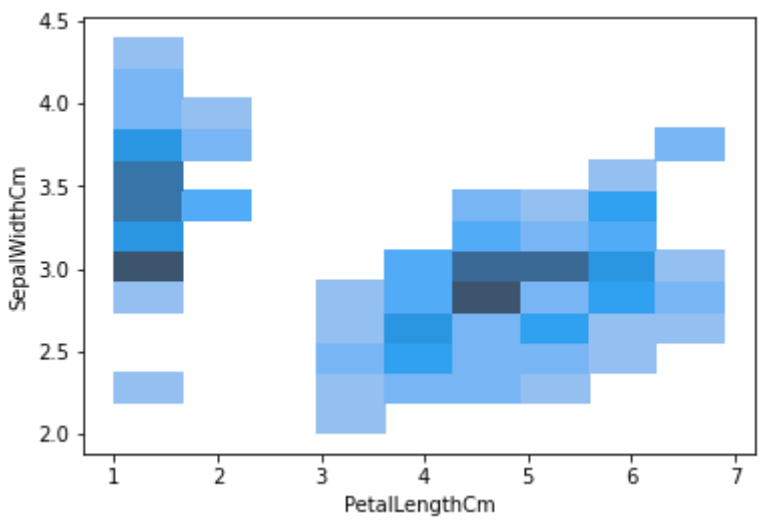
In [ ]:
```
sns.histplot(dataset['SepalLengthCm'])
plt.show()
```



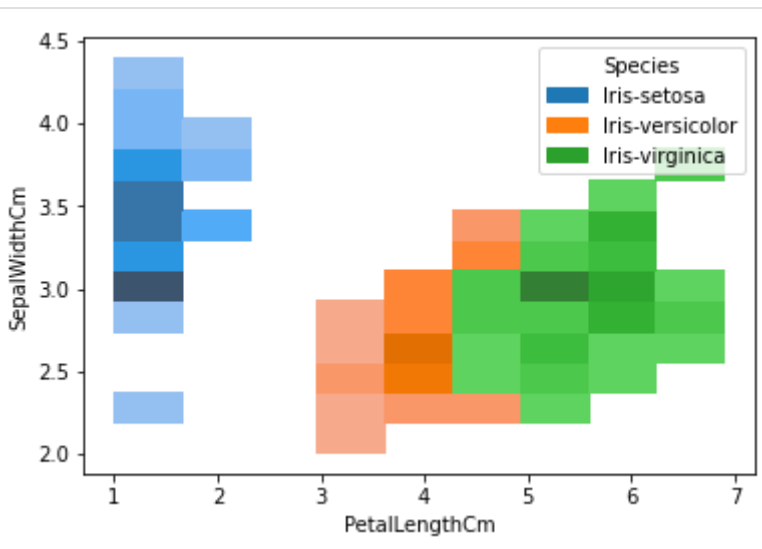
In [ ]:
```
sns.histplot(dataset['SepalWidthCm'], bins=6)
plt.show()
```



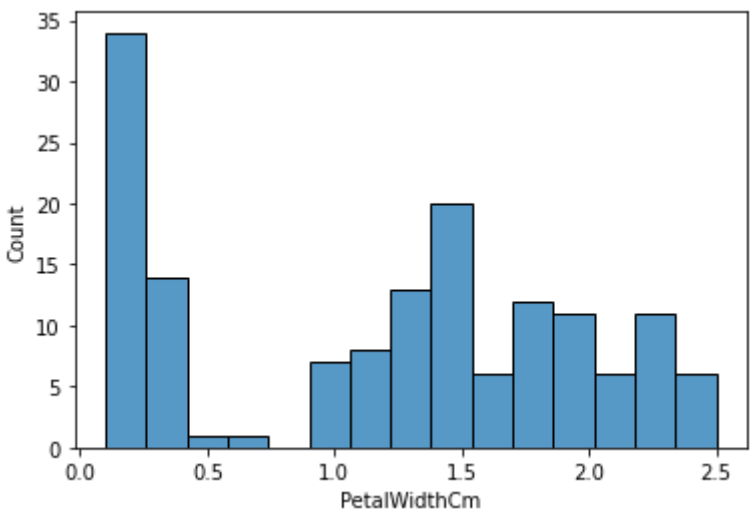
In [ ]:
```
sns.histplot(data=dataset,x='PetalLengthCm', y='SepalWidthCm')
plt.show()
```



In [ ]:
```
sns.histplot(data=dataset,x='PetalLengthCm', y='SepalWidthCm', hue='Species')
plt.show()
```

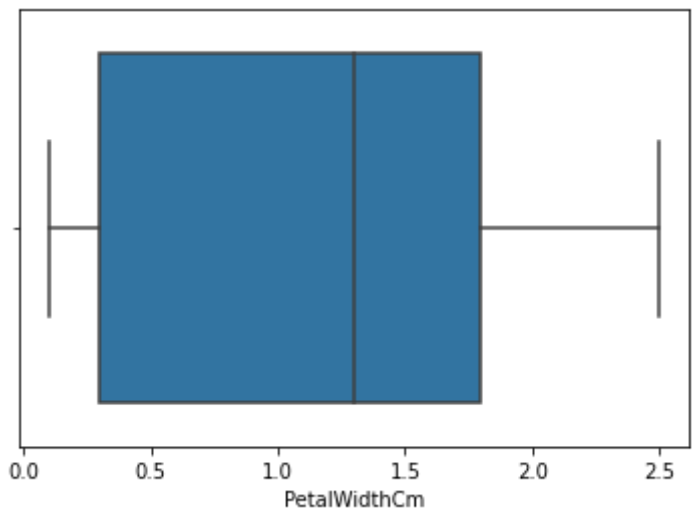


In [ ]:
```
sns.histplot(dataset['PetalWidthCm'], bins=15)
plt.show()
```

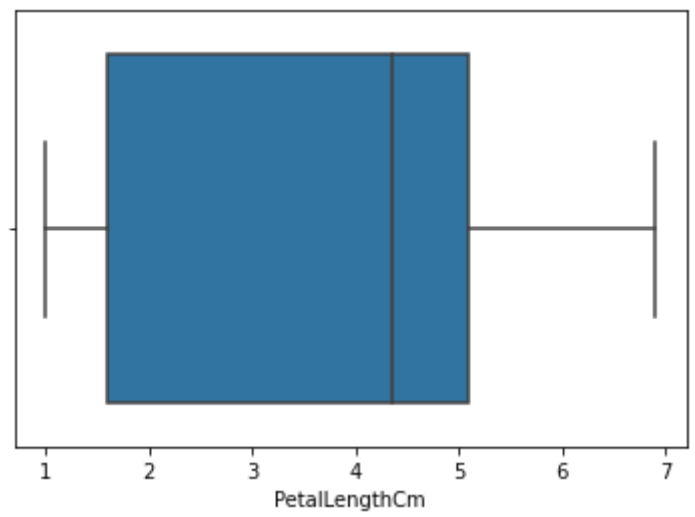


Boxplot

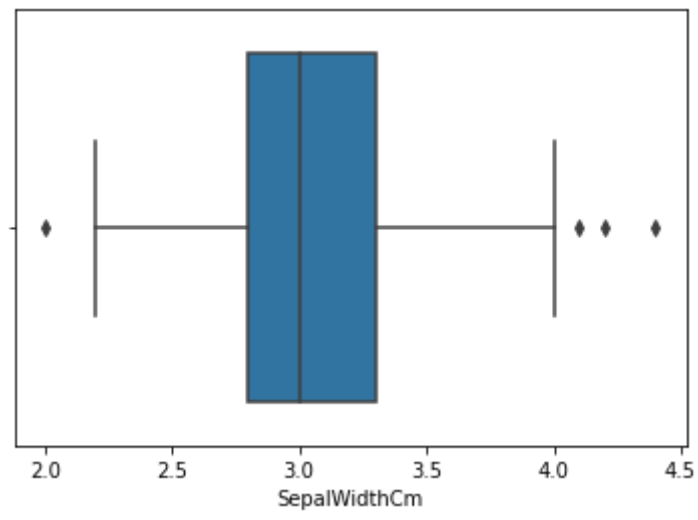
In [ ]:
```
sns.boxplot(data=dataset, x='PetalWidthCm')
plt.show()
```



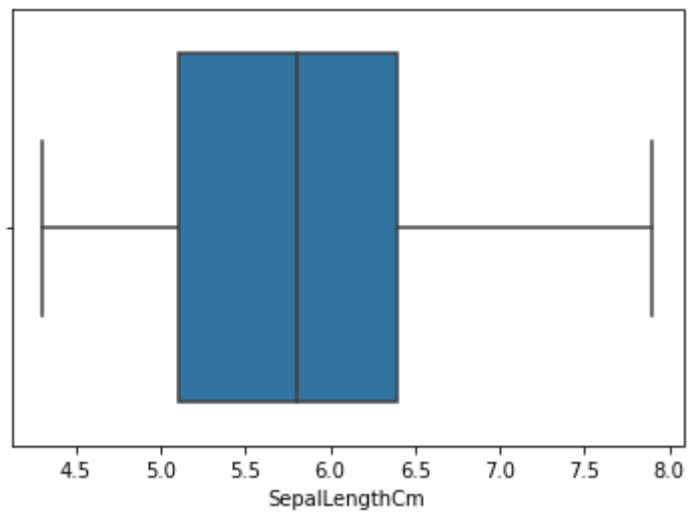
In [ ]:
```
sns.boxplot(data=dataset, x='PetalLengthCm')
plt.show()
```



In [ ]:
```
sns.boxplot(data=dataset, x='SepalWidthCm')
plt.show()
```



In [ ]:
```
sns.boxplot(data=dataset, x='SepalLengthCm')
plt.show()
```



In [ ]:
```
sns.boxplot(data=dataset, x='SepalLengthCm', y='SepalWidthCm')
plt.show()
```