In [1]:
```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

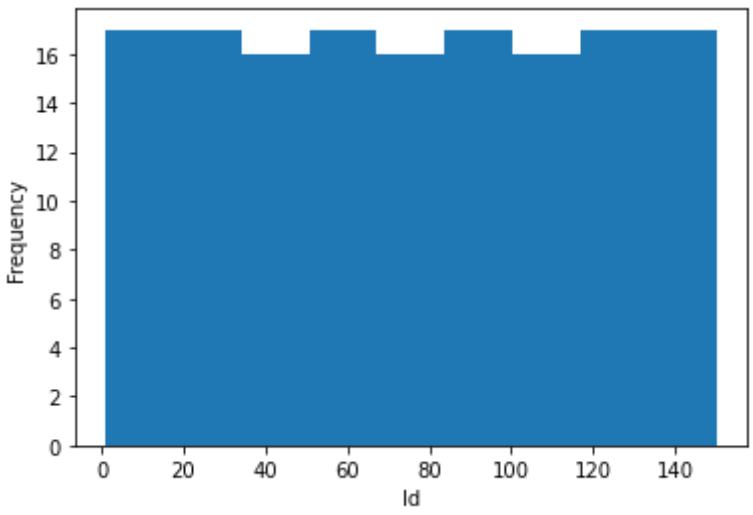
In [2]:
```
# Downloaded dataset path
dataset_path = 'iris.csv'
```

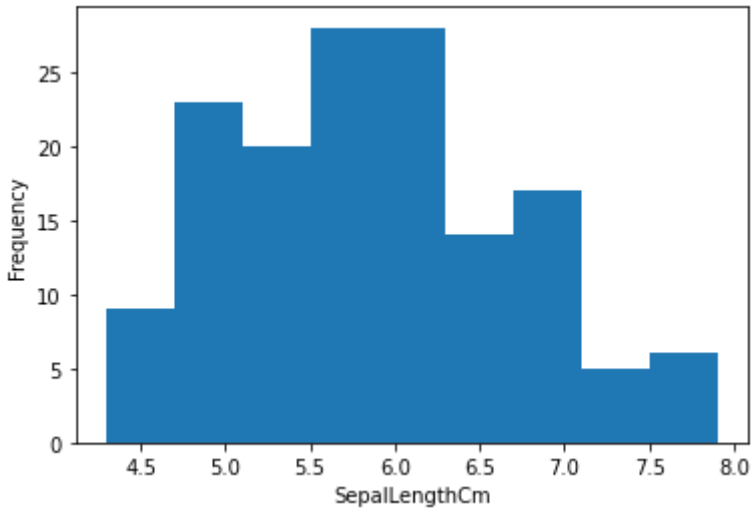
In [3]:
```
# Load the dataset into a DataFrame
df = pd.read_csv(dataset_path)
```

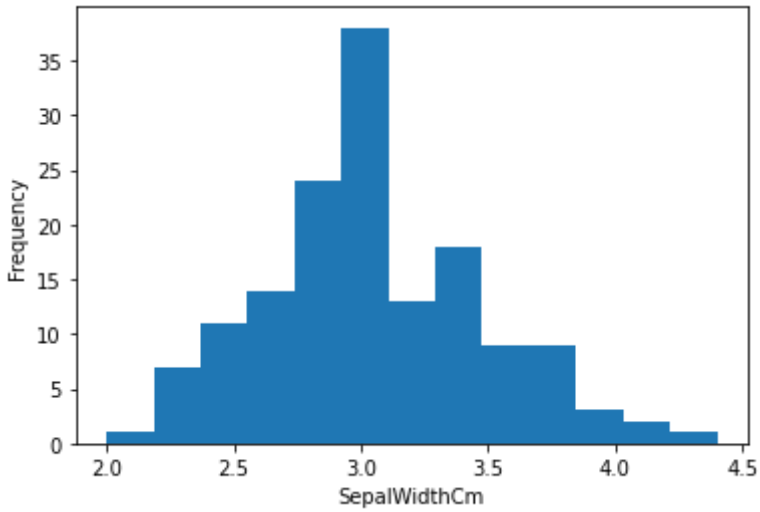
In [4]:
```
# 1. List down the features and their types
print(df.info())
```

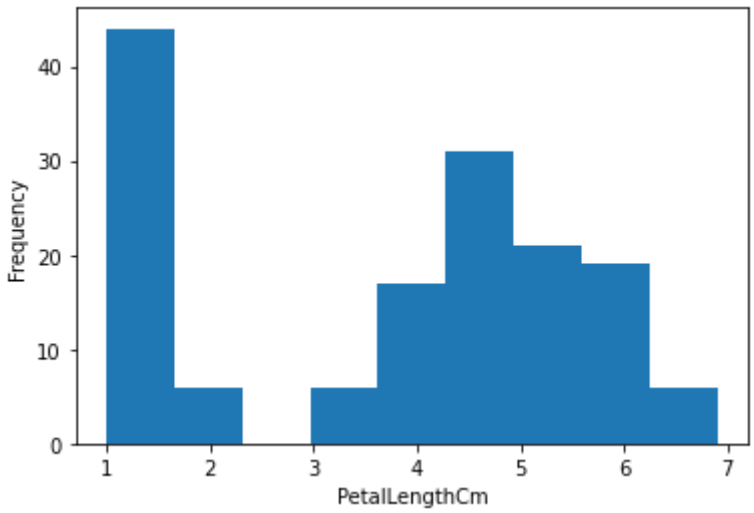
```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 150 entries, 0 to 149
Data columns (total 6 columns):
 #   Column         Non-Null Count  Dtype  
---  ------         --------------  -----  
 0   Id             150 non-null    int64  
 1   SepalLengthCm  150 non-null    float64
 2   SepalWidthCm   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
None
```

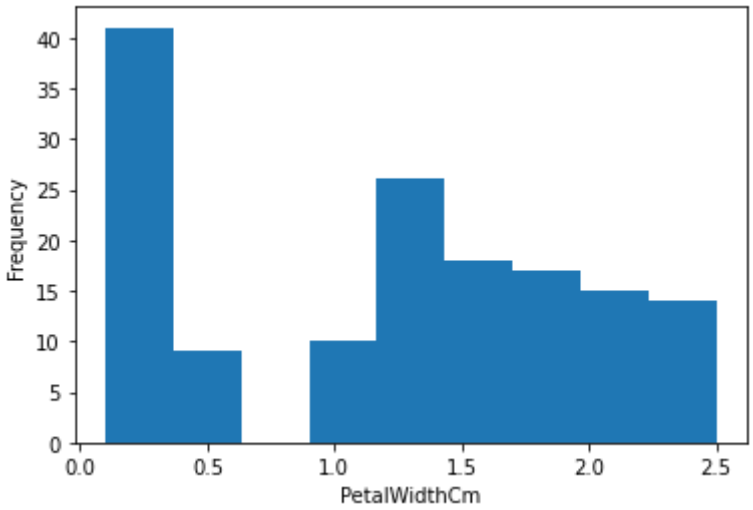
In [5]:
```
# 2. Create histograms for feature distributions
for column in df.columns:
    if df[column].dtype != object:
        plt.hist(df[column], bins='auto')
        plt.xlabel(column)
        plt.ylabel("Frequency")
        plt.show()
```




Frequency
SepalLengthCm
0
5
10
15
20
25
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0

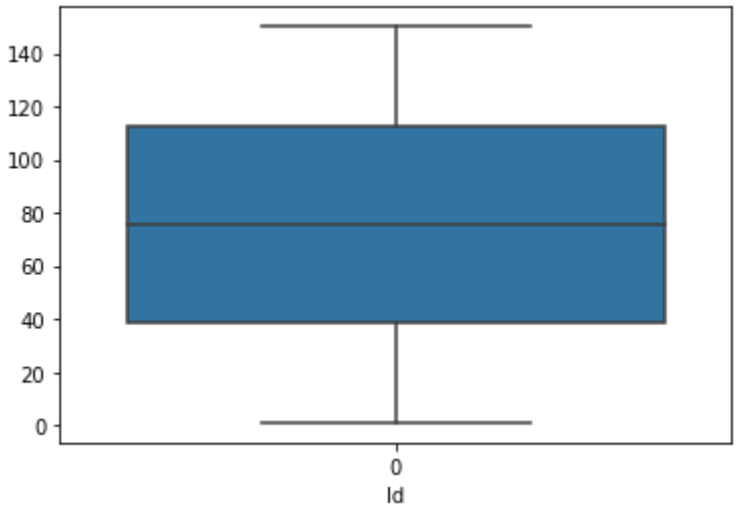

Frequency
SepalWidthCm
0
5
10
15
20
25
30
35
2.0
2.5
3.0
3.5
4.0
4.5

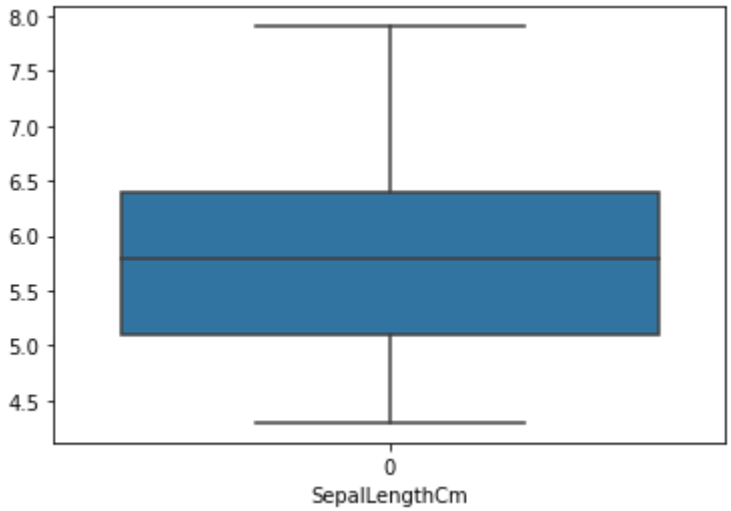

Frequency
PetalLengthCm
0
10
20
30
40
1
2
3
4
5
6
7

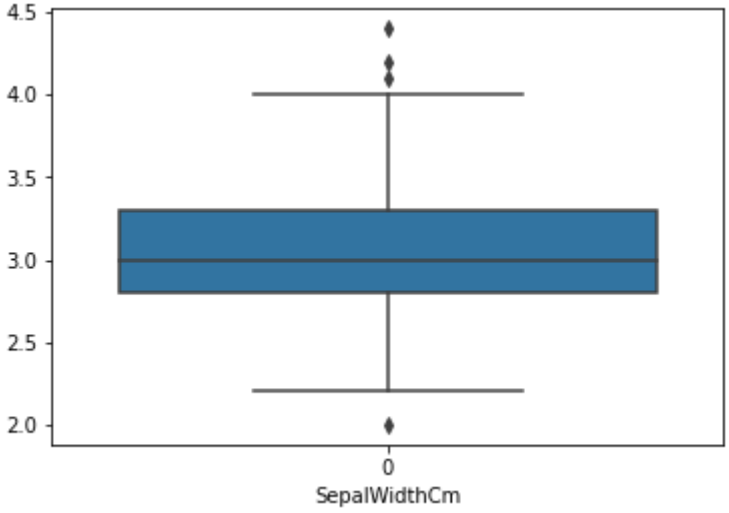


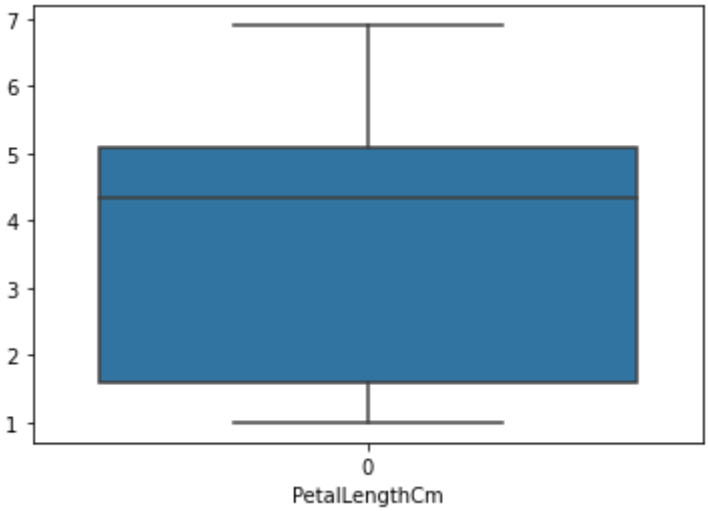
In [6]:

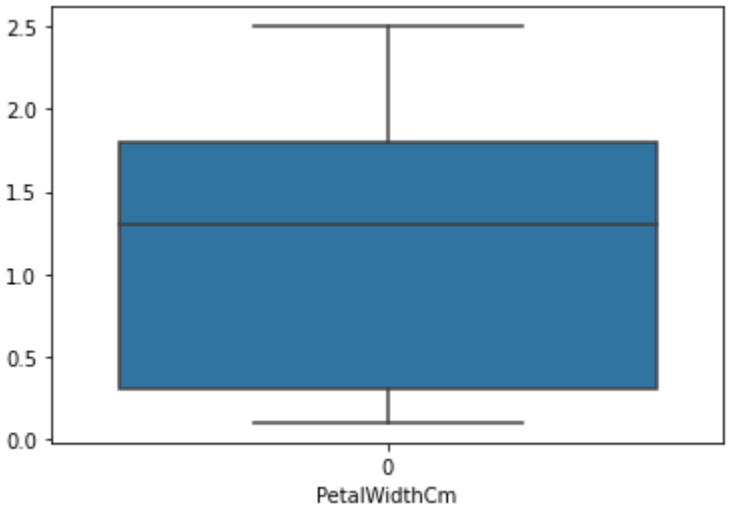
```
# 3. Create boxplots for feature distributions
for column in df.columns:
    if df[column].dtype != object:
        sns.boxplot(data=df[column])
        plt.xlabel(column)
        plt.show()
```






4.5
4.0
3.5
3.0
2.5
2.0
0
SepalWidthCm


7
6
5
4
3
2
1
0
PetalLengthCm


2.5
2.0
1.5
1.0
0.5
0.0
0
PetalWidthCm

In [ ]: