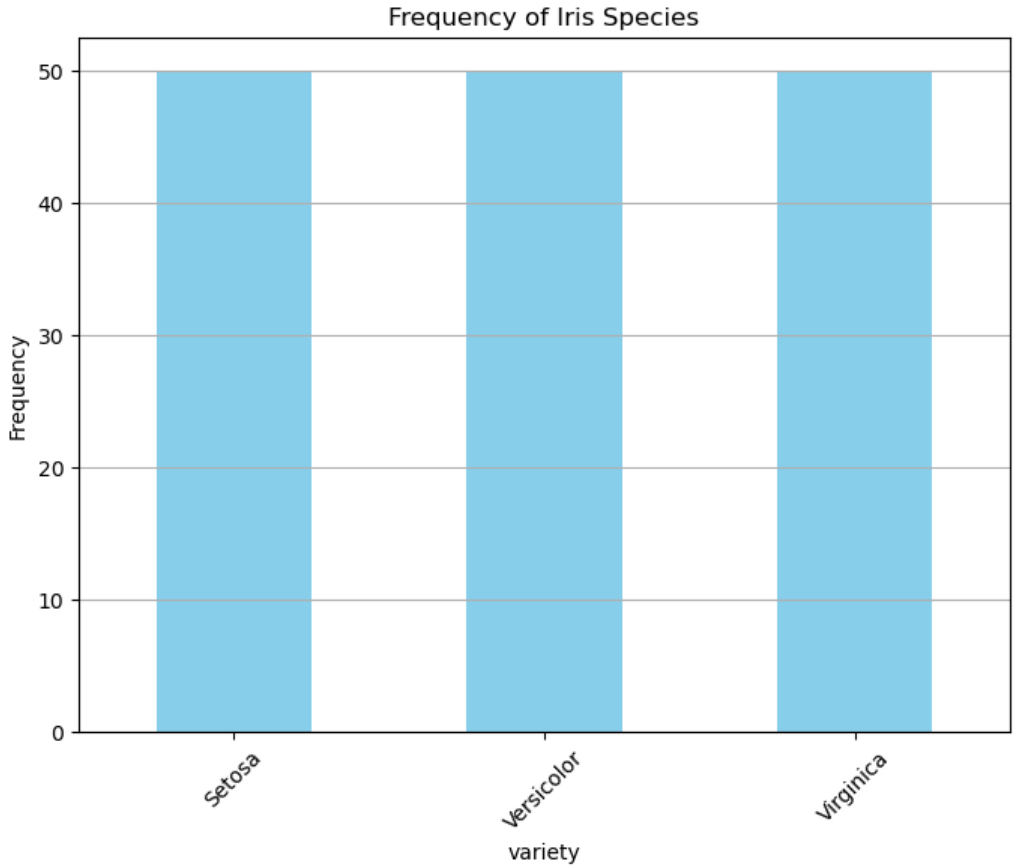
A) Import dataset “iris.csv”. Write a Python program to create a Bar plot to get the frequency of the three species of the Iris data.

In [4]:
```
import pandas as pd
import matplotlib.pyplot as plt

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

species_count = df['variety'].value_counts()

plt.figure(figsize=(8, 6))
species_count.plot(kind='bar', color='skyblue')
plt.title('Frequency of Iris Species')
plt.xlabel('variety')
plt.ylabel('Frequency')
plt.xticks(rotation=45)
plt.grid(axis='y')
plt.show()
```

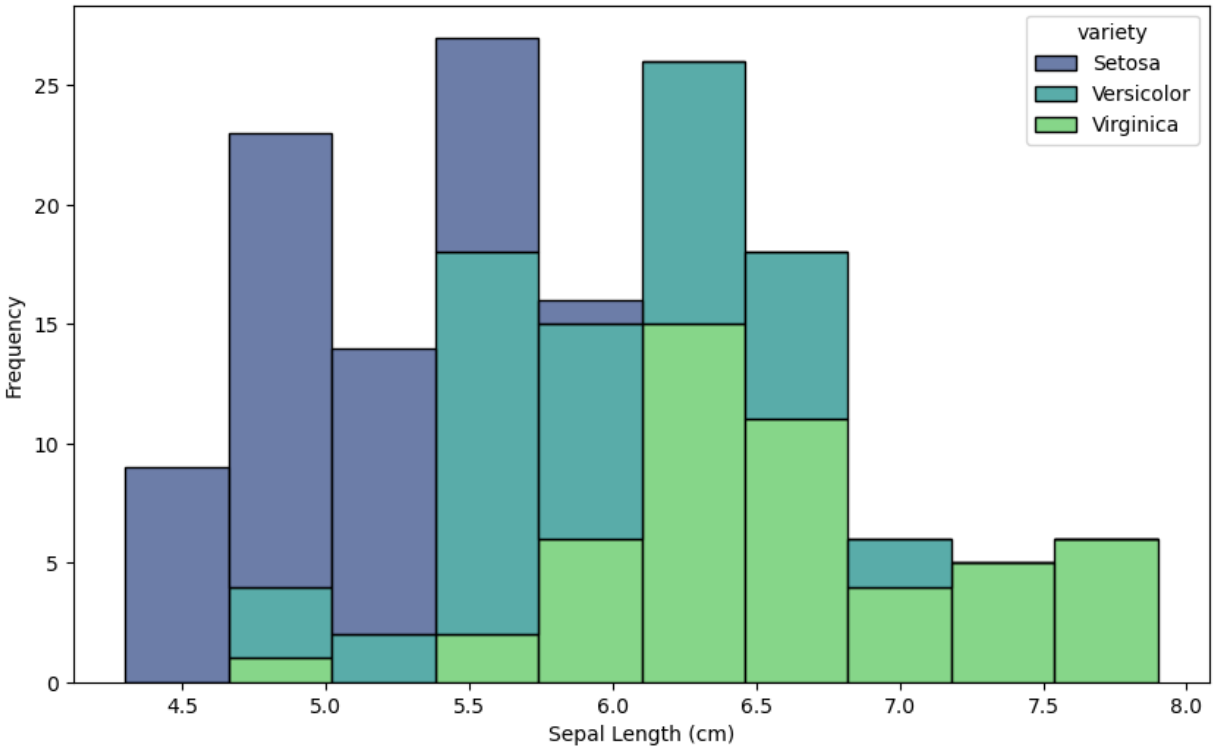


B)Write a Python program to create a histogram of the three species of the Iris data.

In [6]:
```
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt

df = pd.read_csv('iris.csv')
df.rename(columns={'species': 'variety'}, inplace=True)

plt.figure(figsize=(10, 6))
sns.histplot(data=df, x='sepal.length', hue='variety', multiple='stack', bins=10, palette='viridis')
plt.xlabel('Sepal Length (cm)')
plt.ylabel('Frequency')
plt.show()
```


variety
Setosa
Versicolor
Virginica
Frequency
0
5
10
15
20
25
4.5
5.0
5.5
6.0
6.5
7.0
7.5
8.0
Sepal Length (cm)