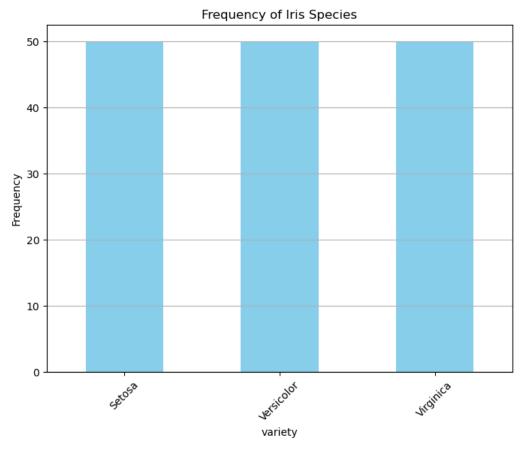
A) Import dataset "iris.csv". Write a Python program to create a Bar plot to get the frequency of the three species of the Iris data.

```
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.yticks(rotation=45)
    plt.grid(axis='y')
    plt.show()
```



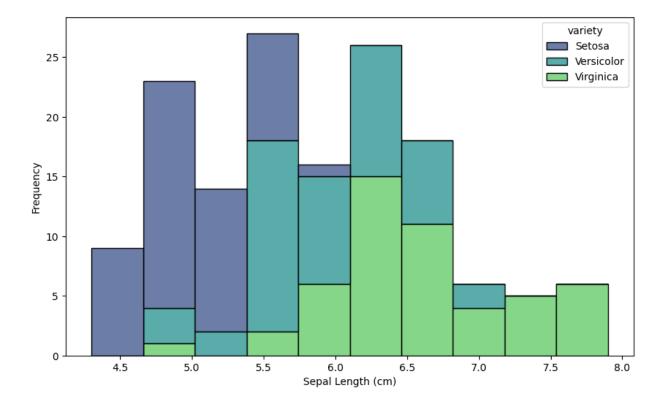
B)Write a Python program to create a histogram of the three species of the Iris data.

```
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()
```

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