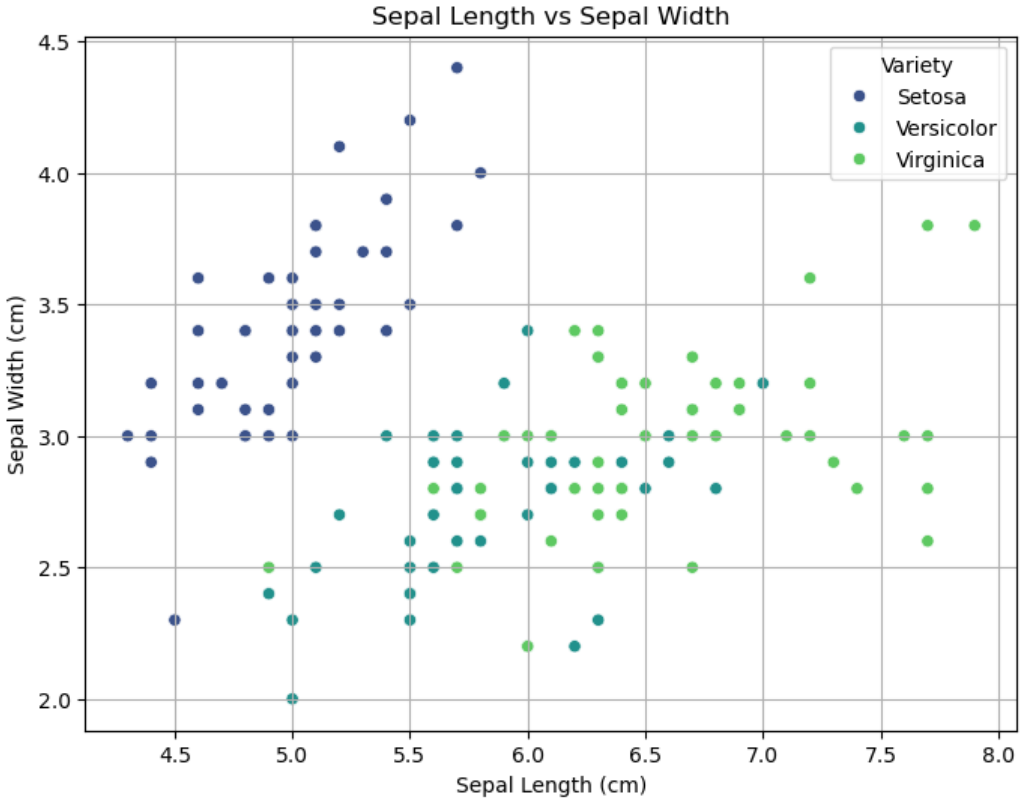
A) Write a Python program to draw scatter plots to compare two features of the iris dataset

In [1]:
```
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=(8, 6))
sns.scatterplot(data=df, x='sepal.length', y='sepal.width', hue='variety', palette='viridis')
plt.title('Sepal Length vs Sepal Width')
plt.xlabel('Sepal Length (cm)')
plt.ylabel('Sepal Width (cm)')
plt.legend(title='Variety')
plt.grid(True)
plt.show()
```



B) Write a Python program to create a data frame containing columns name, age , salary, department . Add 10 rows to the data frame. View the data frame.

In [1]:
```
import pandas as pd

df = pd.DataFrame(columns=['name', 'age', 'salary', 'department'])

df.loc[0] = ['Aarav', 25, 50000, 'IT']
df.loc[1] = ['Vihaan', 30, 60000, 'HR']
df.loc[2] = ['Reyansh', 28, 55000, 'Finance']
df.loc[3] = ['Krishna', 22, 45000, 'Marketing']
df.loc[4] = ['Lakshay', 27, 52000, 'Sales']
df.loc[5] = ['Aditya', 26, 58000, 'IT']
df.loc[6] = ['Kunal', 31, 61000, 'Finance']
df.loc[7] = ['Rohan', 24, 48000, 'HR']
df.loc[8] = ['Dhruv', 29, 53000, 'Marketing']
df.loc[9] = ['Nikhil', 23, 47000, 'Sales']

print(df)
```

	name	age	salary	department
0	Aarav	25	50000	IT
1	Vihaan	30	60000	HR
2	Reyansh	28	55000	Finance
3	Krishna	22	45000	Marketing
4	Lakshay	27	52000	Sales
5	Aditya	26	58000	IT
6	Kunal	31	61000	Finance
7	Rohan	24	48000	HR
8	Dhruv	29	53000	Marketing
9	Nikhil	23	47000	Sales