In [1]:
```
import numpy as np
import pandas as pd
import seaborn as sns
from matplotlib import pyplot
import seaborn
colNames = ['Sepal Length', 'Sepal Width', 'Petal Length', 'Petal Width', 'Special Type']
data = pd.read_csv("C:\\Users\\admin\\Desktop\\Dataset\\Irisdata.csv", header = None, names = colNames)
print(data.head())
```

In [10]:
```
colNames = ['Sepal Length', 'Sepal Width', 'Petal Length', 'Petal Width', 'Special Type']
data = pd.read_csv("C:\\Users\\admin\\Desktop\\Dataset\\Irisdata.csv", header = None, names = colNames)
print(data.head())
```

```
   Sepal Length  Sepal Width  Petal Length  Petal Width Special Type
0           5.1          3.5           1.4          0.2  Iris-setosa
1           4.9          3.0           1.4          0.2  Iris-setosa
2           4.7          3.2           1.3          0.2  Iris-setosa
3           4.6          3.1           1.5          0.2  Iris-setosa
4           5.0          3.6           1.4          0.2  Iris-setosa
```

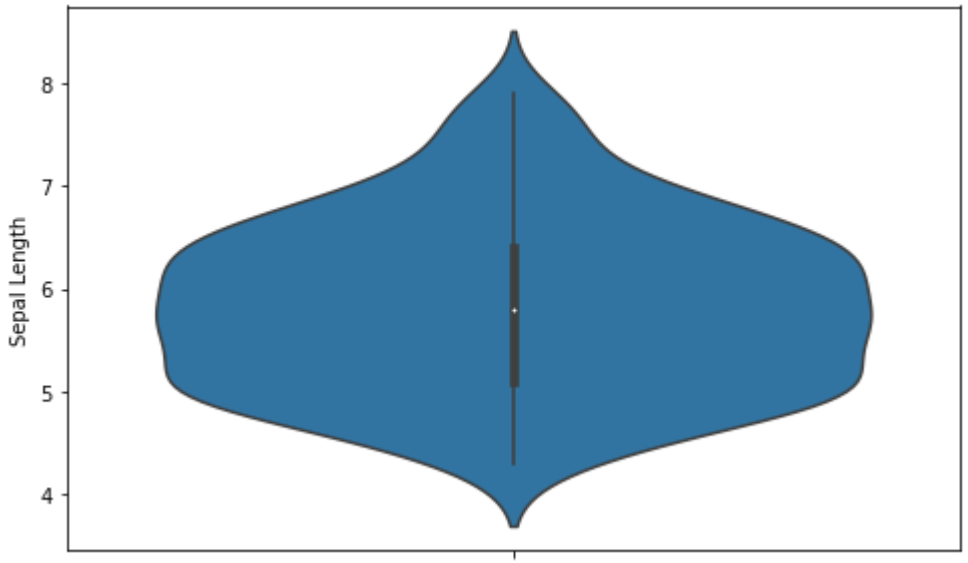
In [11]:
```
data.describe()
```

Out[11]:

| | Sepal Length | Sepal Width | Petal Length | Petal Width |
|---|---|---|---|---|
| **count** | 150.000000 | 150.000000 | 150.000000 | 150.000000 |
| **mean** | 5.843333 | 3.054000 | 3.758667 | 1.198667 |
| **std** | 0.828066 | 0.433594 | 1.764420 | 0.763161 |
| **min** | 4.300000 | 2.000000 | 1.000000 | 0.100000 |
| **25%** | 5.100000 | 2.800000 | 1.600000 | 0.300000 |
| **50%** | 5.800000 | 3.000000 | 4.350000 | 1.300000 |
| **75%** | 6.400000 | 3.300000 | 5.100000 | 1.800000 |
| **max** | 7.900000 | 4.400000 | 6.900000 | 2.500000 |

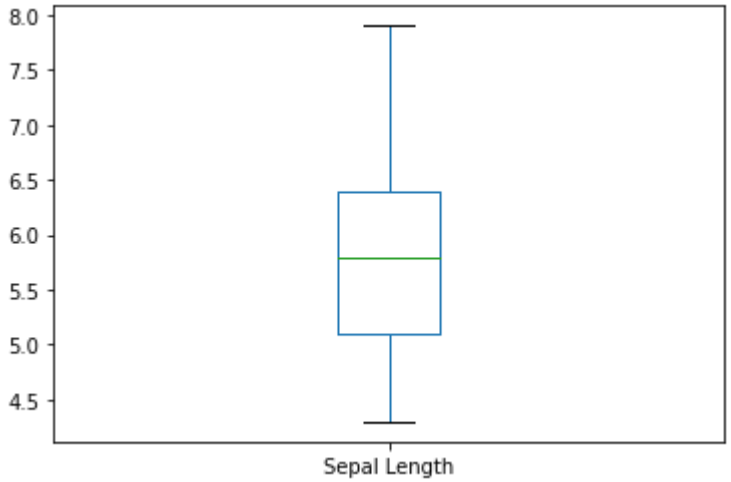
In [14]:
```
1 fig, ax = pyplot.subplots(figsize =(8, 5))
2 sns.violinplot(ax = ax, y = data["Sepal Length"])
```

Out[14]: <AxesSubplot:ylabel='Sepal Length'>



In [15]:
```
1 data.boxplot(column =['Sepal Length'], grid = False)
```

Out[15]: <AxesSubplot:>




In [ ]:
```
1
```