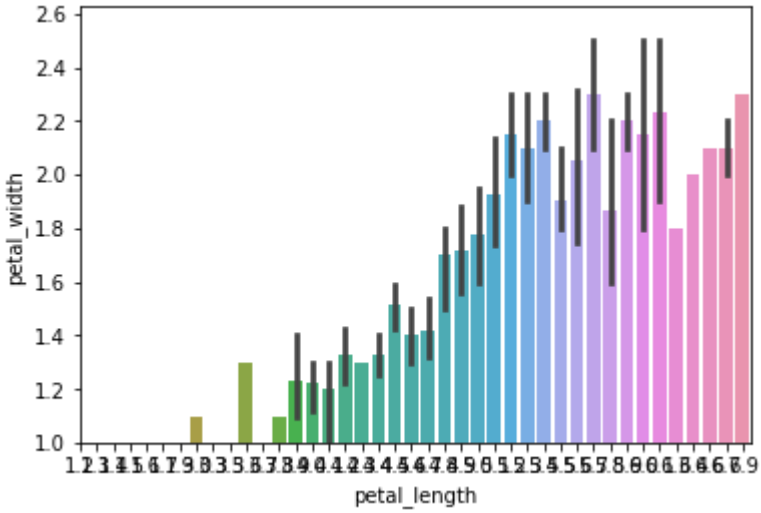
Draw a barplot

In [4]:
```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")
i

#draw a line plot
sns.barplot(x="petal_length", y="petal_width", data=i)
plt.xlim(2)
plt.ylim(1)
plt.show()
```



In [5]:
```
i
```

Out[5]:

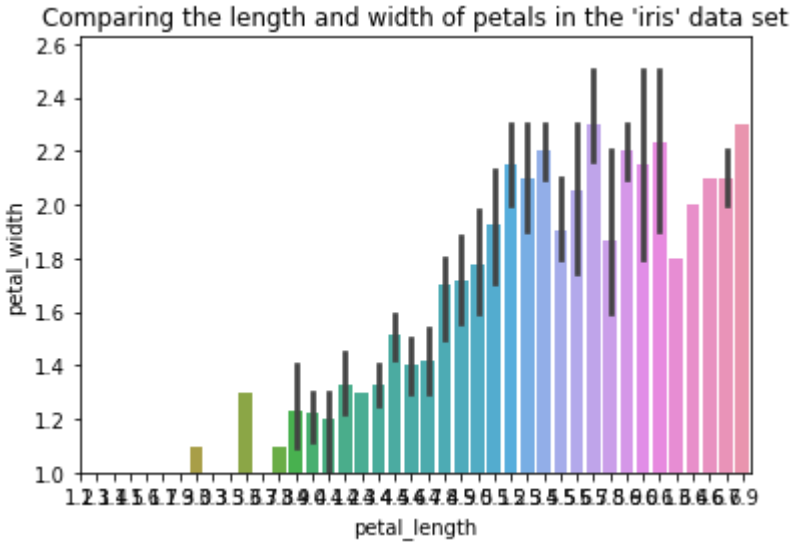
	sepal_length	sepal_width	petal_length	petal_width	species
0	5.1	3.5	1.4	0.2	setosa
1	4.9	3.0	1.4	0.2	setosa
2	4.7	3.2	1.3	0.2	setosa
3	4.6	3.1	1.5	0.2	setosa
4	5.0	3.6	1.4	0.2	setosa
...	...	...	...	...	...
145	6.7	3.0	5.2	2.3	virginica
146	6.3	2.5	5.0	1.9	virginica
147	6.5	3.0	5.2	2.0	virginica
148	6.2	3.4	5.4	2.3	virginica
149	5.9	3.0	5.1	1.8	virginica

150 rows × 5 columns

In [6]:
```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")
i

#draw a line plot
sns.barplot(x="petal_length", y="petal_width", data=i)
plt.xlim(2)
plt.ylim(1)

#title of plot
plt.title("Comparing the length and width of petals in the 'iris' data set")
plt.show()
```

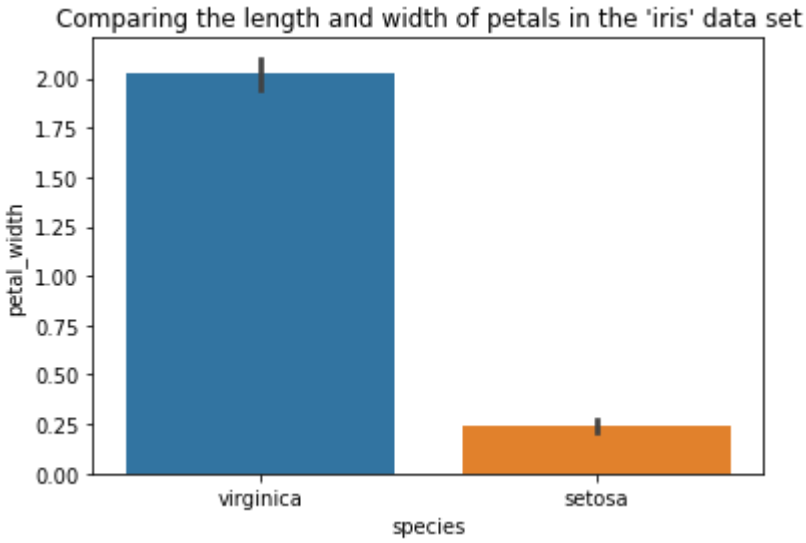


Grouping specific categories together

In [8]:
```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")
i

#draw a line plot
sns.barplot(x="species", y="petal_width", data=i, order= ["virginica", "setosa"])


#title of plot
plt.title("Comparing the length and width of petals in the 'iris' data set")
plt.show()
```

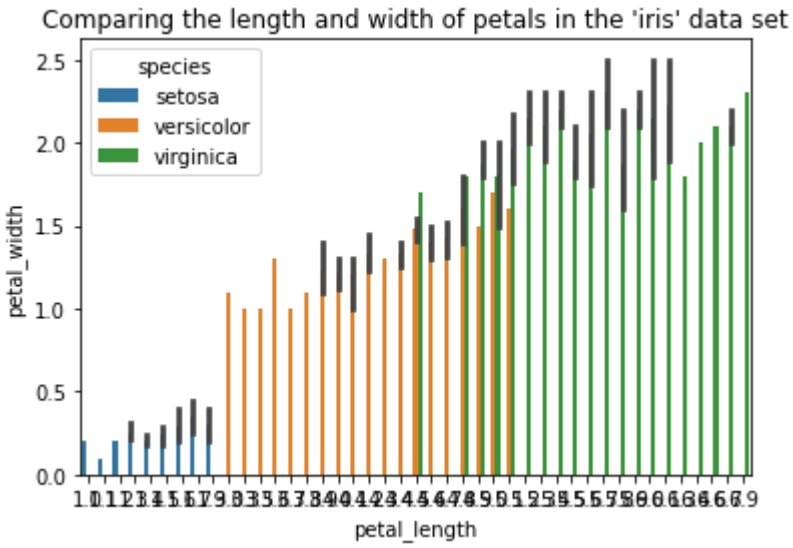


In [10]:

```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")


#draw a line plot with hue
sns.barplot(x="petal_length", y="petal_width", data=i, hue= "species")


#title of plot
plt.title("Comparing the length and width of petals in the 'iris' data set")
plt.show()
```

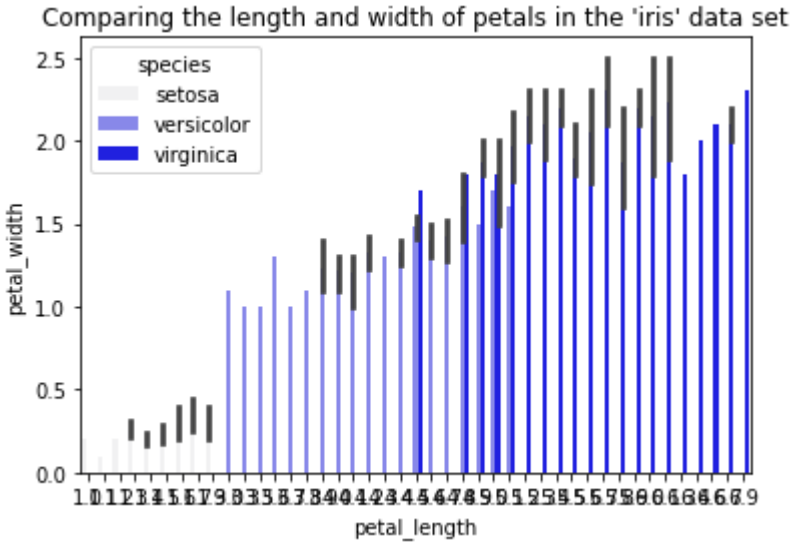


In [13]:

```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")


#draw a line plot with different colors
#sns.barplot(x="petal_length", y="petal_width", data=i, hue= "species", color="red")
sns.barplot(x="petal_length", y="petal_width", data=i, hue= "species", color="blue")
```

```
#title of plot
plt.title("Comparing the length and width of petals in the 'iris' data set")
plt.show()
```



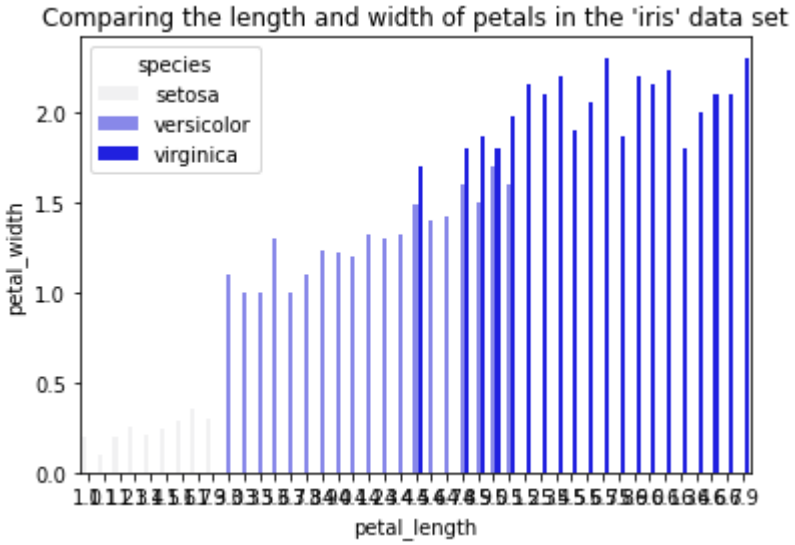
Remove error bar

In [14]:

```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")


#draw a line plot with confidence interval is none
sns.barplot(x="petal_length", y="petal_width", data=i, hue= "species", color="blue", ci

#title of plot
plt.title("Comparing the length and width of petals in the 'iris' data set")
plt.show()
```

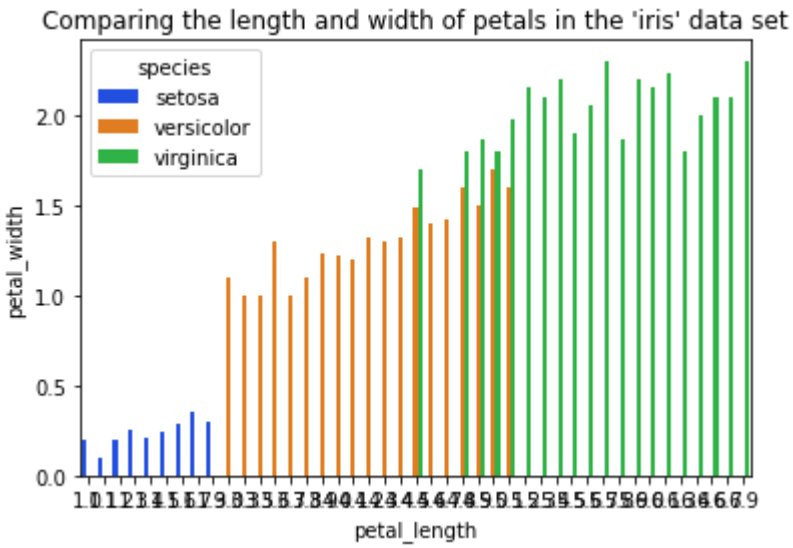


Adding color palettes

In [20]:
```
import seaborn as sns
import matplotlib.pyplot as plt
i=sns.load_dataset("iris")


#draw a line plot with confidence interval is none to remove the error bars
sns.barplot(x="petal_length", y="petal_width", data=i, hue= "species", ci= None, palett

#title of plot
plt.title("Comparing the length and width of petals in the 'iris' data set")
plt.show()
```

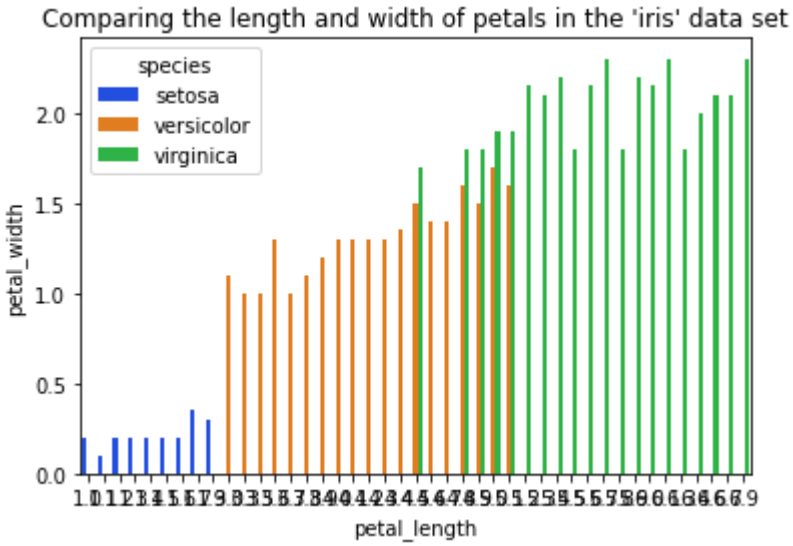


In [6]:
```
import seaborn as sns
#importing file to make 'estimator' work
#from numpy import median
import numpy
import matplotlib.pyplot as plt

i=sns.load_dataset("iris")


#draw a line plot with confidence interval is none
sns.barplot(x="petal_length", y="petal_width", data=i, hue= "species", palette= 'bright

#title of plot
plt.title("Comparing the length and width of petals in the 'iris' data set")
plt.show()
```



Change the color saturation

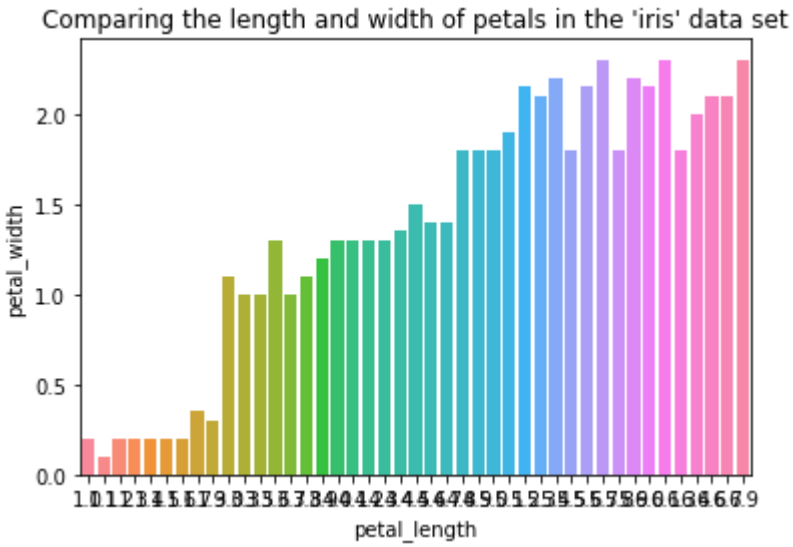
In [11]:

```
import seaborn as sns
#importing file to make 'estimator' work
#from numpy import median
import numpy
import matplotlib.pyplot as plt

i=sns.load_dataset("iris")


#draw a line plot with confidence interval is none
sns.barplot(x="petal_length", y="petal_width",data=i,estimator=median,saturation=2, ci=

#title of plot
plt.title("Comparing the length and width of petals in the 'iris' data set")
plt.show()
```



In [ ]: