In [2]:
```
import seaborn as sns
```

In [3]:
```
df =sns.load_dataset('iris')
```

In [4]:
```
df
```

Out[4]:

	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]:
```
#list down there features and tere types available in dataset
df.columns
```

Out[6]:
```
Index(['sepal_length', 'sepal_width', 'petal_length', 'petal_width',
       'species'],
      dtype='object')
```

In [7]:
```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 150 entries, 0 to 149
Data columns (total 5 columns):
 #   Column        Non-Null Count  Dtype  
---  ------        --------------  -----  
 0   sepal_length  150 non-null    float64
 1   sepal_width   150 non-null    float64
 2   petal_length  150 non-null    float64
 3   petal_width   150 non-null    float64
 4   species       150 non-null    object 
dtypes: float64(4), object(1)
memory usage: 6.0+ KB
```

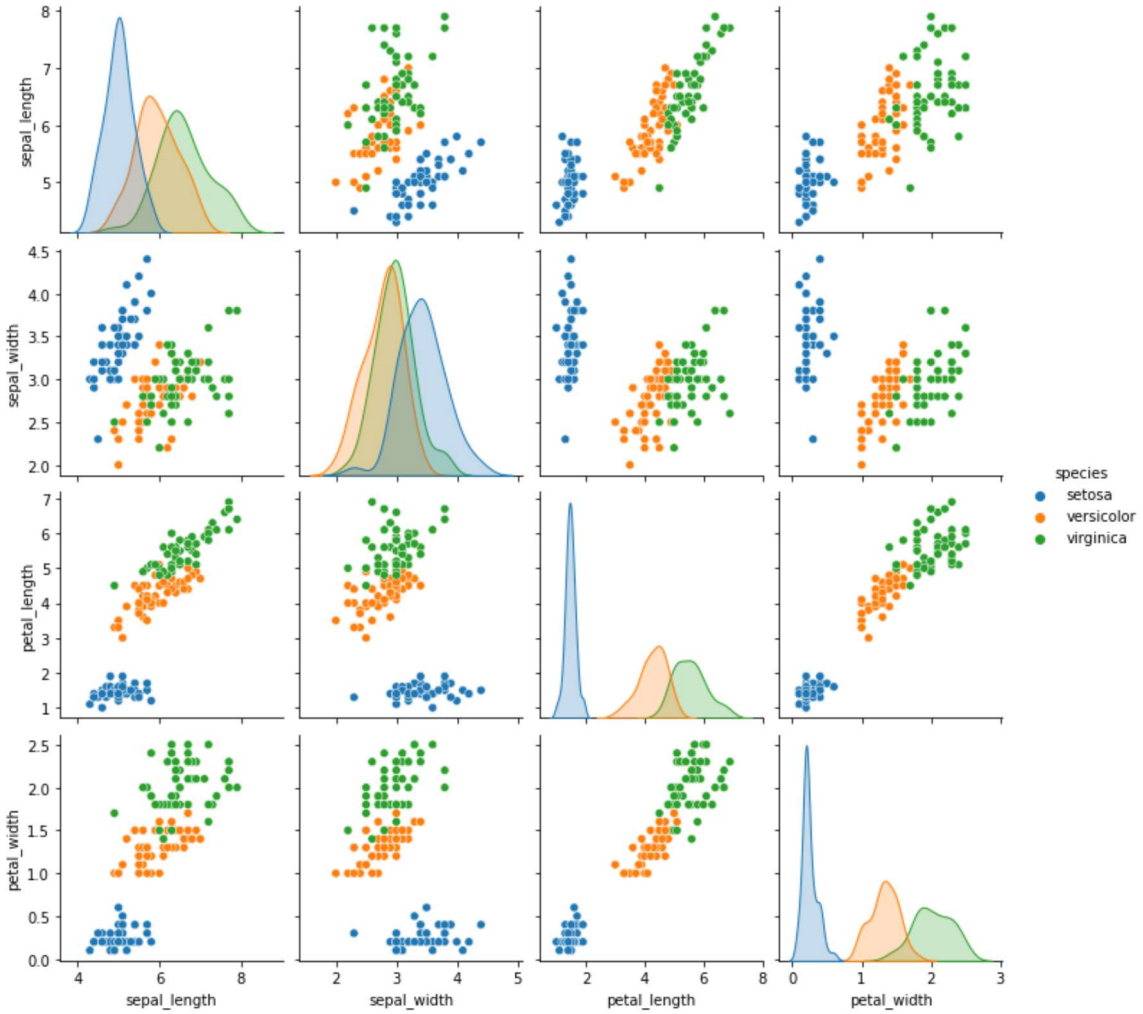
In [8]:
```
df.dtypes
```

Out[8]:
```
sepal_length    float64
sepal_width     float64
petal_length    float64
```

```
petal_width     float64
species          object
dtype: object
```

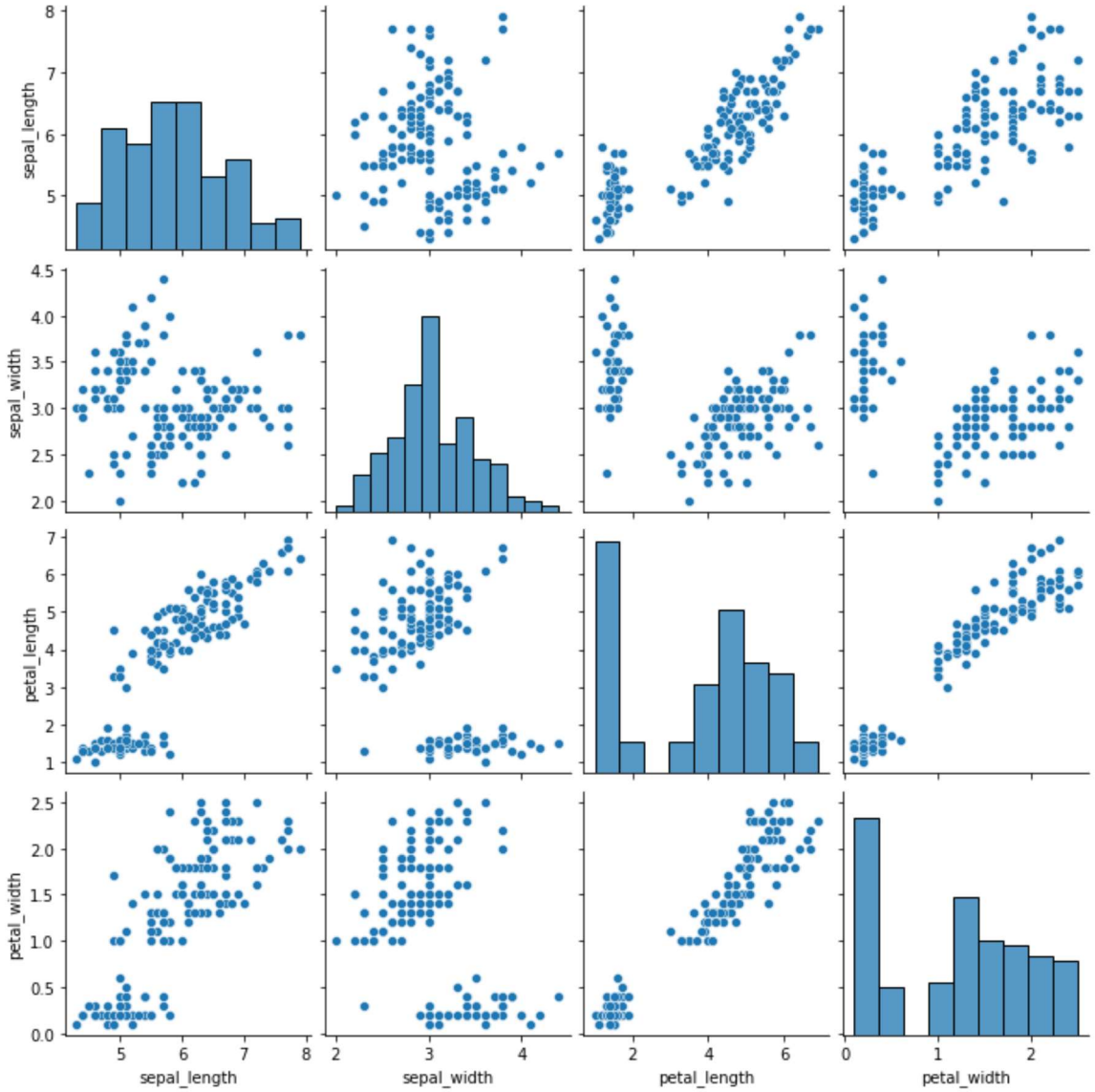
In [10]:
```
sns.pairplot(df,hue='species')
```

Out[10]: <seaborn.axisgrid.PairGrid at 0x1f2f00c93d0>



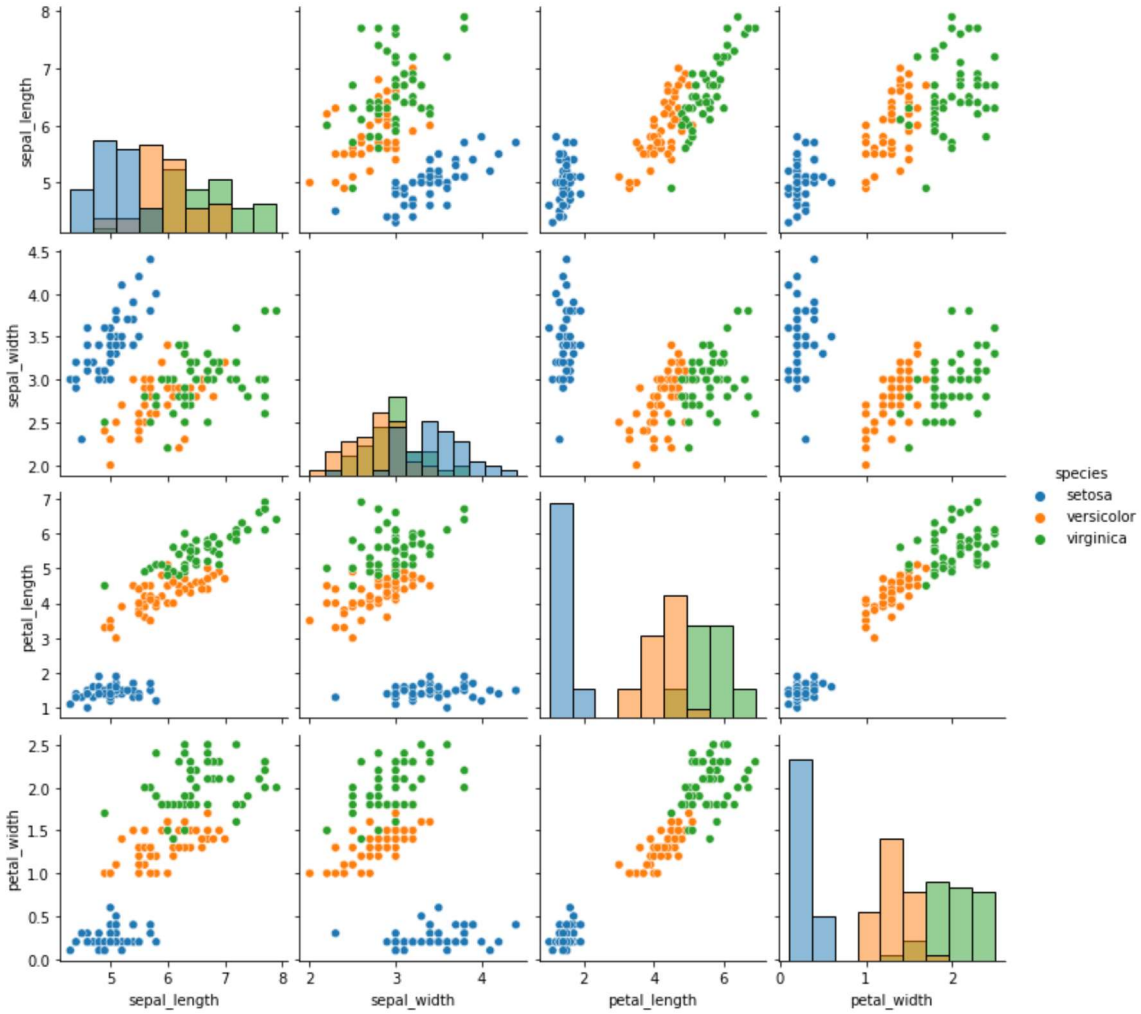
In [11]:
```
sns.pairplot(df)
```

Out[11]: <seaborn.axisgrid.PairGrid at 0x1f2f0371490>



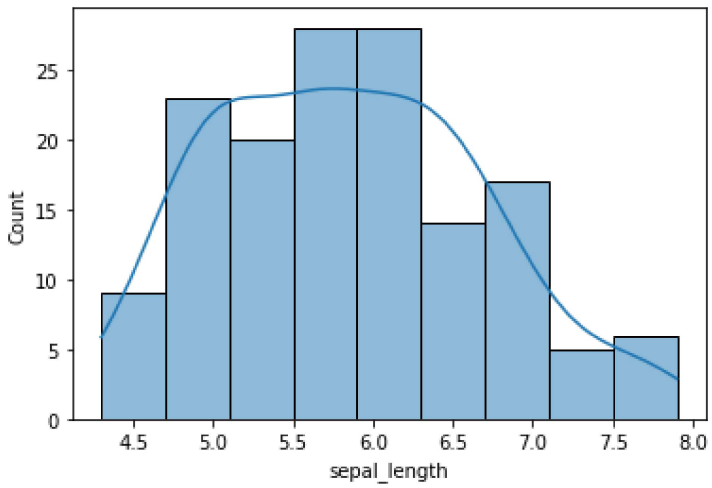
In [12]:
```
sns.pairplot(df,hue='species',diag_kind='hist')
```

Out[12]: <seaborn.axisgrid.PairGrid at 0x1f2f03caaf0>



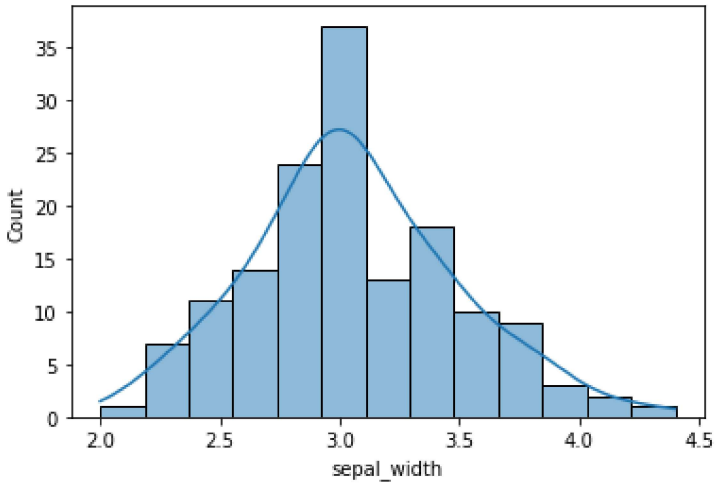
In [13]:
```
sns.histplot(df['sepal_length'],kde=True)
```

Out[13]: <AxesSubplot:xlabel='sepal_length', ylabel='Count'>



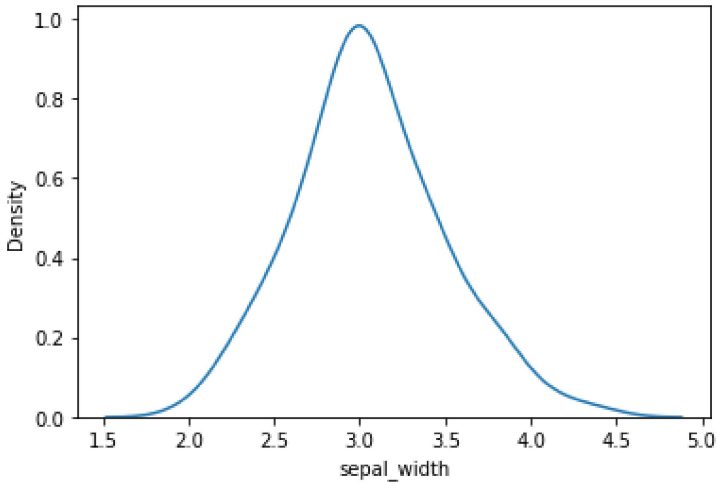
In [14]:
```
sns.histplot(df['sepal_width'],kde=True)
```

Out[14]: <AxesSubplot:xlabel='sepal_width', ylabel='Count'>



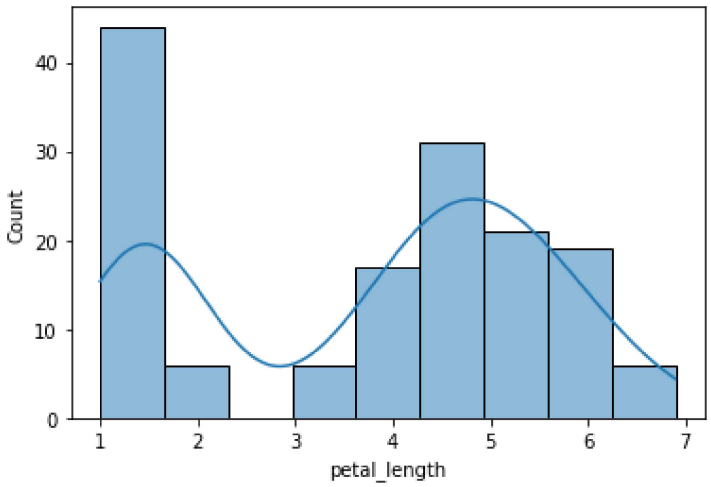
In [16]:
```
sns.kdeplot(df['sepal_width'])
```

Out[16]: <AxesSubplot:xlabel='sepal_width', ylabel='Density'>



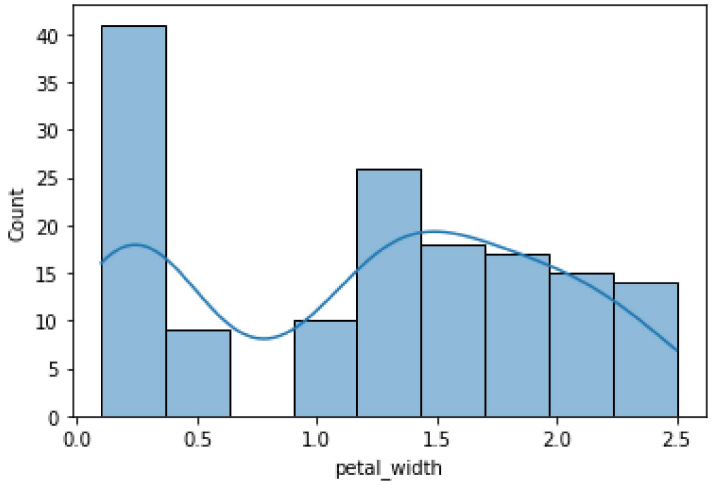
In [17]:
```
sns.histplot(df['petal_length'],kde=True)
```

Out[17]: <AxesSubplot:xlabel='petal_length', ylabel='Count'>



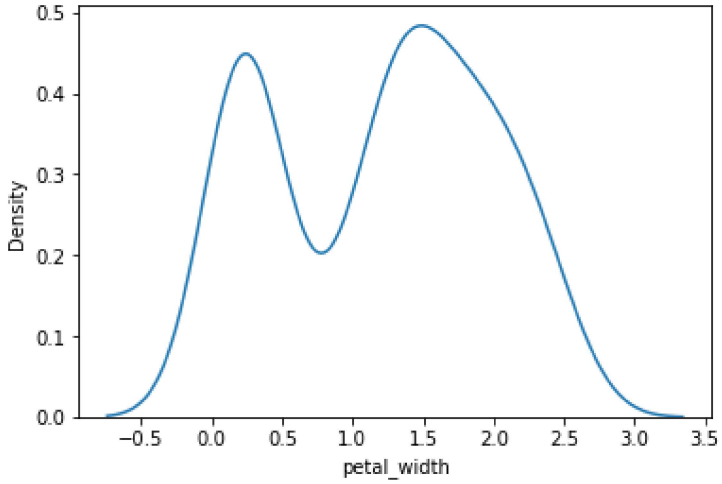
In [18]:
```
sns.histplot(df['petal_width'],kde=True)
```

Out[18]: <AxesSubplot:xlabel='petal_width', ylabel='Count'>

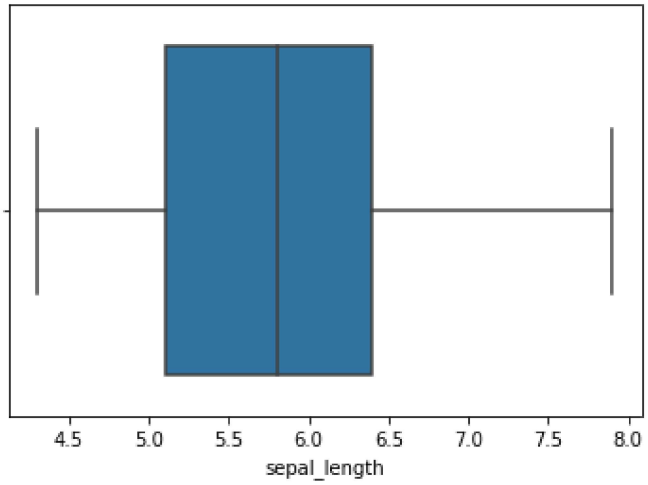


In [19]:
```
sns.kdeplot(df['petal_width'])
```

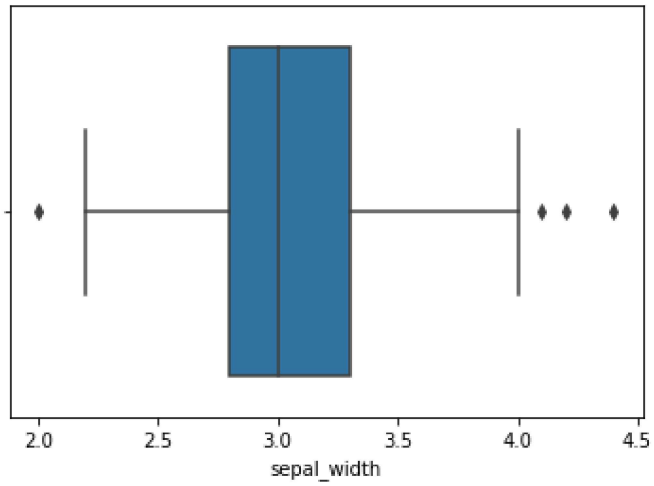
Out[19]: <AxesSubplot:xlabel='petal_width', ylabel='Density'>



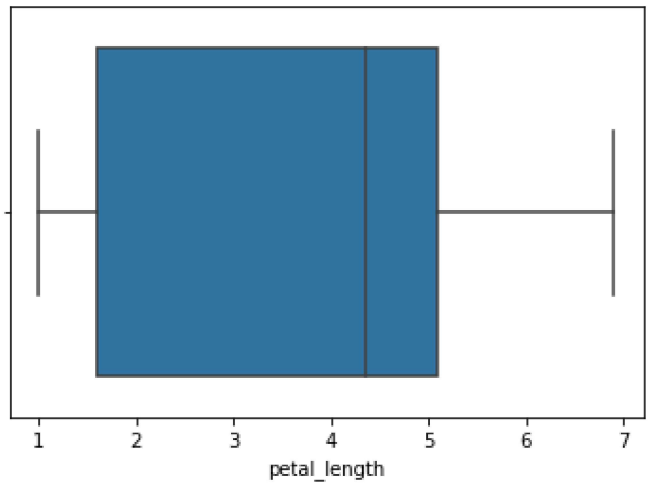
In [20]:
```
sns.boxplot(x=df['sepal_length']);
```



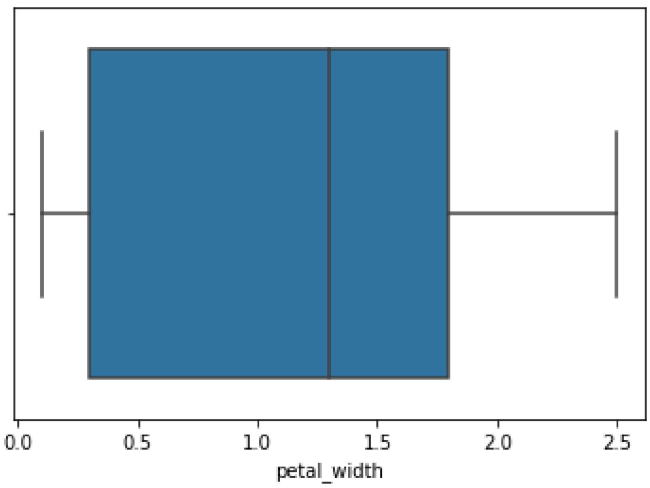
In [21]:
```
sns.boxplot(x=df['sepal_width']);
```



In [22]:
```
sns.boxplot(x=df['petal_length']);
```



In [23]:
```
sns.boxplot(x=df['petal_width']);
```



In [ ]:
```

```