#DAV Practical - 5

Shad Jamil CSC/21/45

In [38]:
```python
from ucimlrepo import fetch_ucirepo
import pandas as pd
import scipy
import seaborn as sns
import numpy as np
iris = fetch_ucirepo(id=53)
x=iris.data.features
x
```

Out[38]:

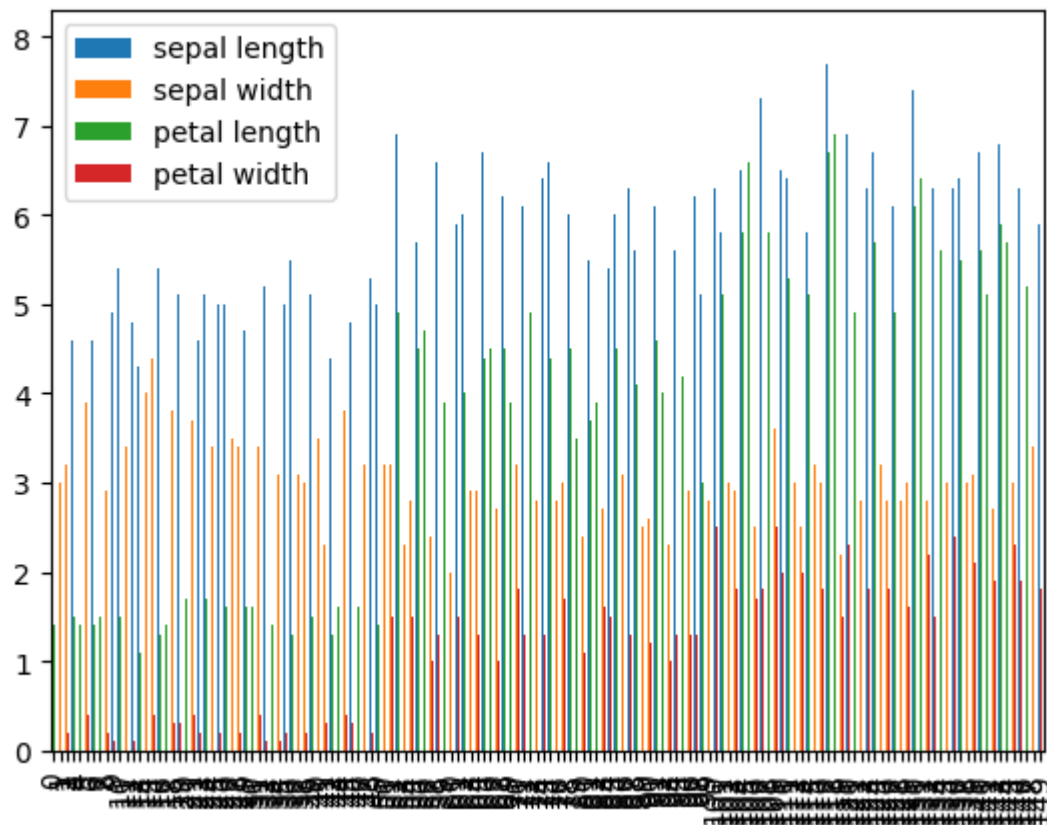|	sepal length	sepal width	petal length	petal width
0	5.1	3.5	1.4	0.2
1	4.9	3.0	1.4	0.2
2	4.7	3.2	1.3	0.2
3	4.6	3.1	1.5	0.2
4	5.0	3.6	1.4	0.2
...	...	...	...	...
145	6.7	3.0	5.2	2.3
146	6.3	2.5	5.0	1.9
147	6.5	3.0	5.2	2.0
148	6.2	3.4	5.4	2.3
149	5.9	3.0	5.1	1.8

150 rows × 4 columns
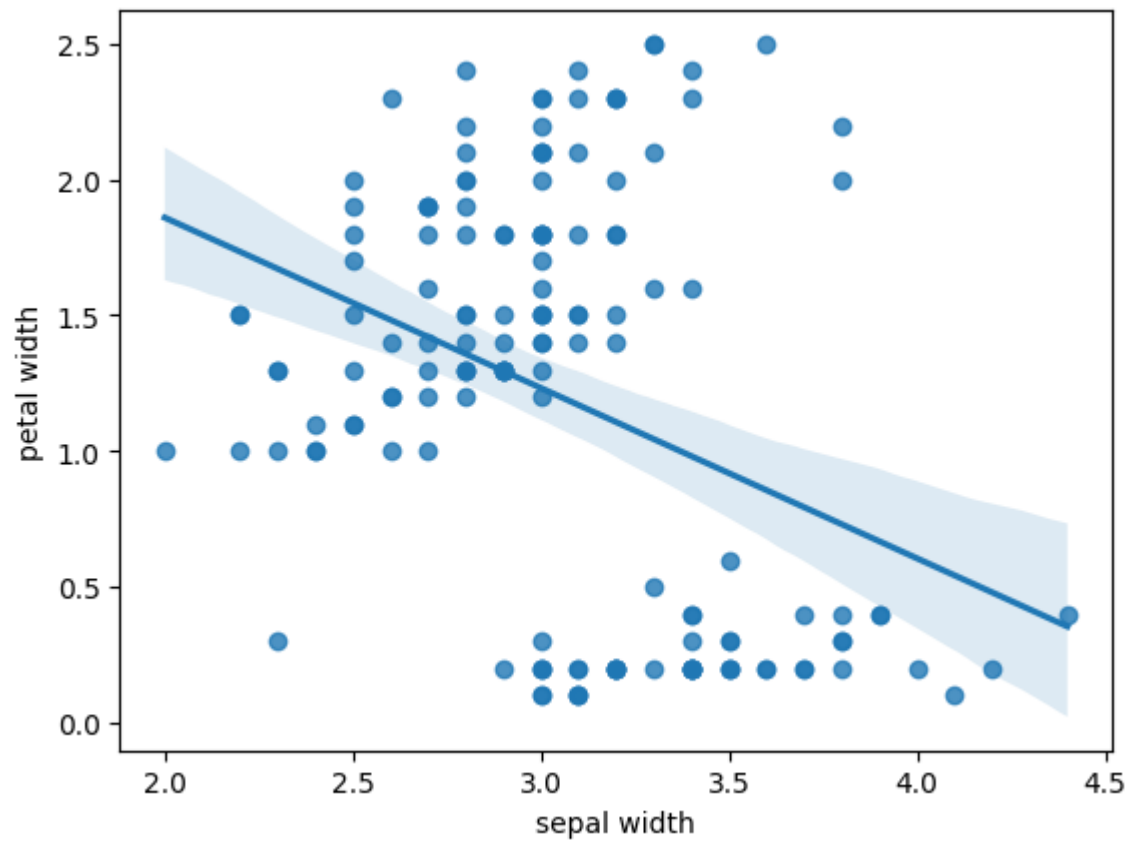
```
In [40]:   1  x.plot.bar()
```

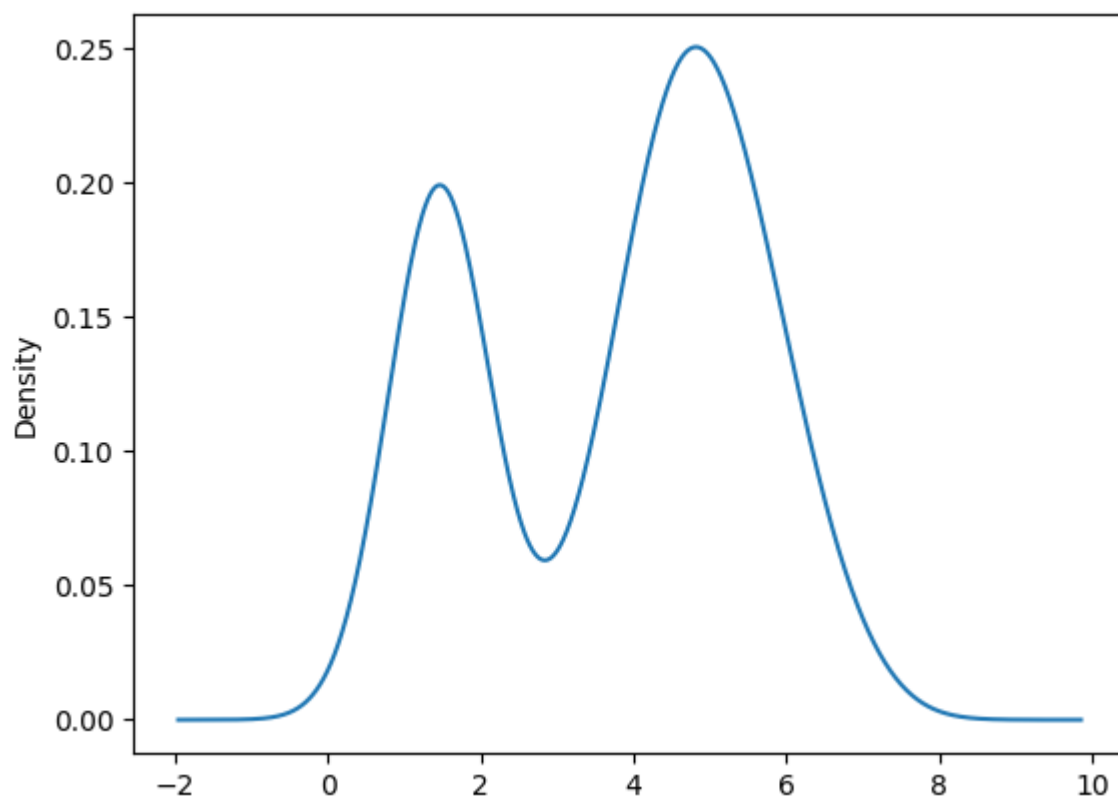Out[40]: <AxesSubplot: >

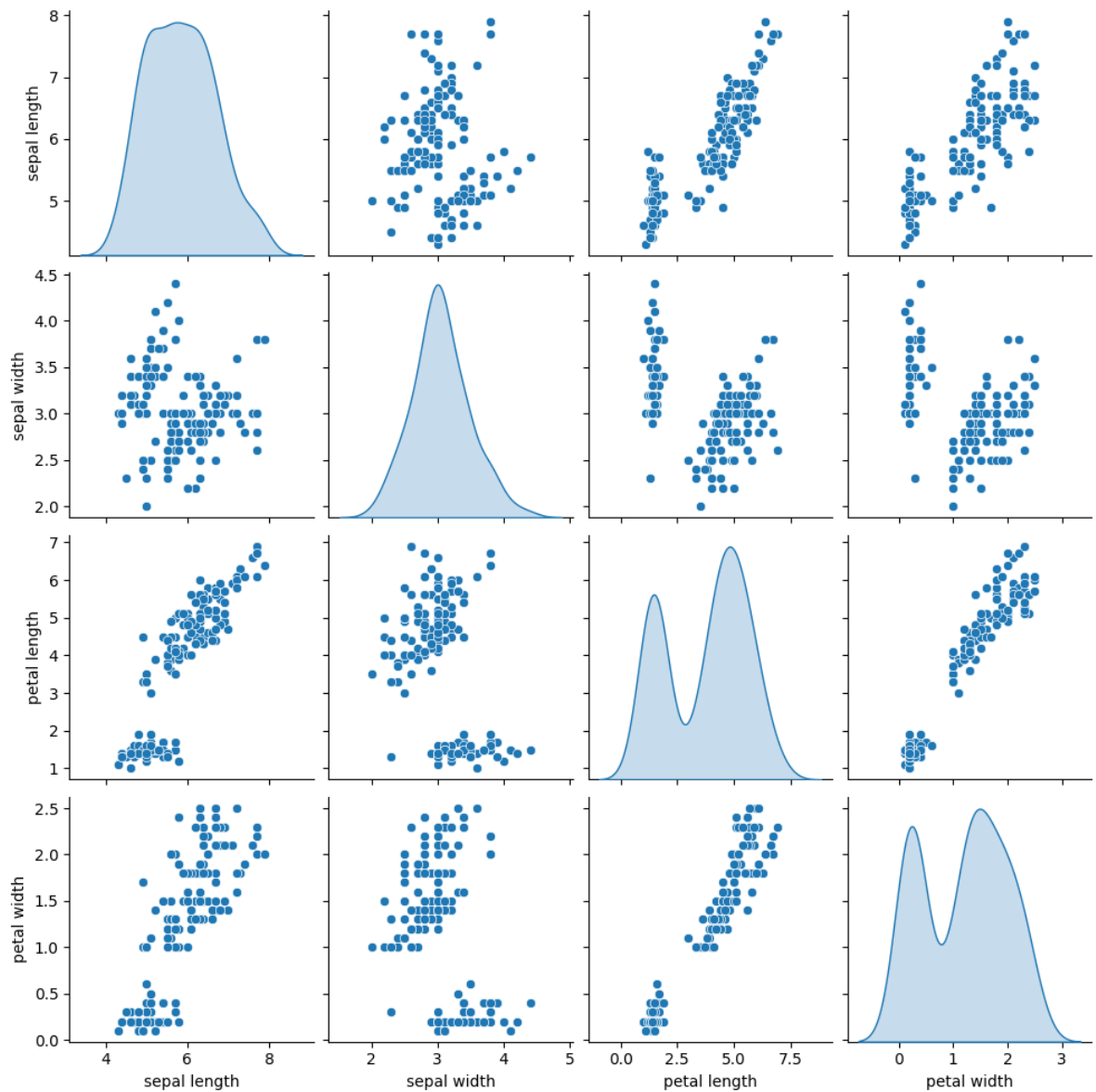In [23]: `1 sns.regplot(x="sepal width",y="petal width", data=x)`

Out[23]: `<AxesSubplot: xlabel='sepal width', ylabel='petal width'>`

```
In [41]:    1  x["petal length"].plot.density()
```

Out[41]: <AxesSubplot: ylabel='Density'>

1 `sns.pairplot(data=x,diag_kind='kde')`

`<seaborn.axisgrid.PairGrid at 0x1b93bd2a5c0>`

1