In [1]:

```python
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

In [ ]:

Q1)

In [ ]:

Create a dataframe with 10 rows on random numbers and 4 columns, (columns labelled as a,b,c,d) and plot a bar chart.

In [ ]:

In [2]:

```python
a=np.random.randint(10,size=(5,4))

a
```

Out[2]:

```
array([[3, 4, 4, 7],
       [1, 9, 9, 9],
       [1, 4, 2, 4],
       [0, 1, 0, 2],
       [2, 6, 5, 6]])
```

In [ ]:

In [3]:

```
data=pd.DataFrame(a,columns=["a","b","c","d"])

data
```

Out[3]:

	a	b	c	d
0	3	4	4	7
1	1	9	9	9
2	1	4	2	4
3	0	1	0	2
4	2	6	5	6