```
#ASSIGNEMENT-1
#D.VISHAAL

import numpy as np
import pandas as pd
```

```
np.random.seed(42)
data = np.random.random((4, 4))
df = pd.DataFrame(data,columns=['feature 1','feature 2','feature 3','feature 4'])
df
```

	feature 1	feature 2	feature 3	feature 4
0	0.374540	0.950714	0.731994	0.598658
1	0.156019	0.155995	0.058084	0.866176
2	0.601115	0.708073	0.020584	0.969910
3	0.832443	0.212339	0.181825	0.183405

```
df.columns = ['Random value 1', 'Random value 2', 'Random value 3', 'Random value 4']
df
```

	Random value 1	Random value 2	Random value 3	Random value 4
0	0.374540	0.950714	0.731994	0.598658
1	0.156019	0.155995	0.058084	0.866176
2	0.601115	0.708073	0.020584	0.969910
3	0.832443	0.212339	0.181825	0.183405

```
df.describe()
```

	Random value 1	Random value 2	Random value 3	Random value 4
count	4.000000	4.000000	4.000000	4.000000
mean	0.491029	0.506780	0.248122	0.654537
std	0.291252	0.386153	0.329856	0.350875
min	0.156019	0.155995	0.020584	0.183405
25%	0.319910	0.198253	0.048709	0.494845
50%	0.487828	0.460206	0.119954	0.732417
75%	0.658947	0.768733	0.319367	0.892110
max	0.832443	0.950714	0.731994	0.969910

```
df.isnull()
```

	feature 1	feature 2	feature 3	feature 4
0	False	False	False	False
1	False	False	False	False
2	False	False	False	False
3	False	False	False	False

```
df.dtypes
```

```
feature 1    float64
feature 2    float64
feature 3    float64
feature 4    float64
dtype: object
```

```
df.loc[:, ['Random value 2', 'Random value 3']]
df.iloc[:, [1, 2]]
```

	Random value 2	Random value 3
0	0.950714	0.731994
1	0.155995	0.058084
2	0.708073	0.020584
3	0.212339	0.181825

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