```
import numpy as np
```

```
import pandas as pd
```

TASK-1

```
d = {'name':['A','B','C','D'],'Age':[19,22,24,18],'Gender':['M','F','M','M'],'Salary':[65000,45000,78000,68000]}
d
```

```
{'name': ['A', 'B', 'C', 'D'],
 'Age': [19, 22, 24, 18],
 'Gender': ['M', 'F', 'M', 'M'],
 'Salary': [65000, 45000, 78000, 68000]}
```

```
df=pd.DataFrame(d)
df
```

	name	Age	Gender	Salary
0	A	19	M	65000
1	B	22	F	45000
2	C	24	M	78000
3	D	18	M	68000

TASK-2

```
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	A	19	M	65000
1	B	22	F	45000
2	C	24	M	78000
3	D	18	M	68000

TASK-3

```
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	A	19	M	65000
1	B	22	F	45000
2	C	24	M	78000
3	D	18	M	68000

TASK-4

```
df.isnull().any()
```

```
Random Value 1    False
Random Value 2    False
Random Value 3    False
Random Value 4    False
dtype: bool
```

```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 4 entries, 0 to 3
Data columns (total 4 columns):
 #   Column          Non-Null Count  Dtype 
---  ------          --------------  ----- 
 0   Random Value 1  4 non-null      object
 1   Random Value 2  4 non-null      int64 
 2   Random Value 3  4 non-null      object
 3   Random Value 4  4 non-null      int64 
dtypes: int64(2), object(2)
memory usage: 256.0+ bytes
```

TASK-5

```
df.loc[0:3,'Random Value 2':'Random Value 3']
```

```
df.iloc[0:4,1:3]
```

	Random Value 2	Random Value 3
0	19	M
1	22	F
2	24	M
3	18	M