

```
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']
```

https://colab.research.google.com/drive/1v53G-FFYL0Vcr77cWk3yMGScOG_Sgat2#printMode=true 2/3
8/30/23, 9:07 PM ASSIGNMENT-1.ipynb - Colaboratory

Random Value 2 Random Value 3 0

19 M

1 22 F df.iloc[0:4,1:3]

2 24 M Random Value 2 Random Value
3 3 48 M 0 19 M

1 22 F 2 24 M 3 18 M