

Double-click (or enter) to edit

```
import pandas as pd
```

```
ser = pd.Series([3,4,5,6,7])
```

```
ser
0    3
1    4
2    5
3    6
4    7
dtype: int64
```

```
ser2 = pd.Series(['Apple', 'Mango', 'Grapes', 'Orange'])
ser2
```

```
0    Apple
1    Mango
2    Grapes
3    Orange
dtype: object
```

```
ser2[1:3]
```

```
1    Mango
2    Grapes
dtype: object
```

```
ser3 = pd.Series([5,6,7,8,9,1,3,5,18])
ser3
```

```
0    5
1    6
2    7
3    8
4    9
5    1
6    3
7    5
8   18
dtype: int64
```

```
ser3[2:7]
```

```
2    7
3    8
4    9
5    1
6    3
dtype: int64
```

```
ser4 = pd.Series([5,6,7,8,9,1,3,5],index= ['r1', 'r2', 'r3', 'r4', 'r5', 'r6', 'r7', 'r8'])
ser4
```

```
r1    5
r2    6
r3    7
r4    8
r5    9
r6    1
r7    3
r8    5
dtype: int64
```

```
ser4['r2':'r7']
```

```
r2    6
r3    7
r4    8
r5    9
r6    1
r7    3
dtype: int64
```

	0	1	2	3	4
0	1	2	3	4	5
1	2	3	4	5	6
2	4	5	8	9	6
3	6	2	3	4	8
4	1	2	9	4	3
5	1	7	3	4	5
6	6	2	7	0	1
7	4	2	3	4	5
8	1	2	3	4	5
9	1	8	3	0	9

	c1	c2	c3	c4	c5
r1	1	2	3	4	5
r2	2	3	4	5	6
r3	4	5	8	9	6
r4	6	2	3	4	8
r5	1	2	9	4	3
r6	1	7	3	4	5
r7	6	2	7	0	1
r8	4	2	3	4	5
r9	1	2	3	4	5
r10	1	8	3	0	9

```
df1.info()
```

```
df1.describe()
```

2/4

```
df1.c3.median()
```

```
3.0
```

```
df1.c3.mean()
```

```
4.6
```

```
df1.c3 = df1.c3.fillna(df1.c3.median())
df1
```

	c1	c2	c3	c4	c5
r1	1	2	3	4	5
r2	2	3	4	5	6
r3	4	5	8	9	6
r4	6	2	3	4	8
r5	1	2	9	4	3
r6	1	7	3	4	5
r7	6	2	7	0	1
r8	4	2	3	4	5
r9	1	2	3	4	5
r10	1	8	3	0	9

```
df1.c4.mode()
```

```
0    4
Name: c4, dtype: int64
```

```
df1.head()
```

	c1	c2	c3	c4	c5
r1	1	2	3	4	5
r2	2	3	4	5	6
r3	4	5	8	9	6
r4	6	2	3	4	8
r5	1	2	9	4	3

```
df1.loc['r4', 'c1': 'c5']
```

```
c1    6
c2    2
c3    3
c4    4
c5    8
Name: r4, dtype: int64
```

```
df1.isnull().any()
```

```
c1    False
c2    False
c3    False
c4    False
c5    False
dtype: bool
```

```
df1.isnull().sum()
```

```
c1    0
c2    0
c3    0
c4    0
c5    0
dtype: int64
```

```
dfd = df1.drop('r3', axis=0)
dfd
```

	c1	c2	c3	c4	c5
r1	1	2	3	4	5
r2	2	3	4	5	6
r4	6	2	3	4	8
r5	1	2	9	4	3
r6	1	7	3	4	5
r7	6	2	7	0	1
r8	4	2	3	4	5
r9	1	2	3	4	5
r10	1	8	3	0	9

df1.head()

	c1	c2	c3	c4	c5
r1	1	2	3	4	5
r2	2	3	4	5	6
r3	4	5	8	9	6
r4	6	2	3	4	8
r5	1	2	9	4	3