

```
In [2]: import numpy as np
import pandas as pd
df=pd.DataFrame(np.random.randn(5,3),index=['a','c','e','f','h'],columns=['one','two','three'])
print(df)
```

	one	two	three
a	0.245966	-0.037729	0.716599
c	-0.458687	0.034530	1.169503
e	0.222792	1.142089	0.670718
f	-0.412046	0.384853	2.196847
h	0.044213	-0.482927	-0.938850

```
In [31]: a=df.reindex(['a','b','c','d','e','f','g','h'])
print(a)
```

	one	two	three
a	0.245966	-0.037729	0.716599
b	NaN	NaN	NaN
c	-0.458687	0.034530	1.169503
d	NaN	NaN	NaN
e	0.222792	1.142089	0.670718
f	-0.412046	0.384853	2.196847
g	NaN	NaN	NaN
h	0.044213	-0.482927	-0.938850

```
In [6]: b=df
print(b)
```

	one	two	three
a	0.245966	-0.037729	0.716599
b	NaN	NaN	NaN
c	-0.458687	0.034530	1.169503
d	NaN	NaN	NaN
e	0.222792	1.142089	0.670718
f	-0.412046	0.384853	2.196847
g	NaN	NaN	NaN
h	0.044213	-0.482927	-0.938850

```
In [10]: print(df.dropna())
```

	one	two	three
a	0.245966	-0.037729	0.716599
c	-0.458687	0.034530	1.169503
e	0.222792	1.142089	0.670718
f	-0.412046	0.384853	2.196847
h	0.044213	-0.482927	-0.938850

```
In [12]: df2=b  
print(df2)
```

	one	two	three
a	0.245966	-0.037729	0.716599
b	NaN	NaN	NaN
c	-0.458687	0.034530	1.169503
d	NaN	NaN	NaN
e	0.222792	1.142089	0.670718
f	-0.412046	0.384853	2.196847
g	NaN	NaN	NaN
h	0.044213	-0.482927	-0.938850

```
In [13]: print(df2.fillna(method='pad'))
```

	one	two	three
a	0.245966	-0.037729	0.716599
b	0.245966	-0.037729	0.716599
c	-0.458687	0.034530	1.169503
d	-0.458687	0.034530	1.169503
e	0.222792	1.142089	0.670718
f	-0.412046	0.384853	2.196847
g	-0.412046	0.384853	2.196847
h	0.044213	-0.482927	-0.938850

```
In [15]: df4=df2  
print(df4.fillna(method='bfill'))
```

	one	two	three
a	0.245966	-0.037729	0.716599
b	-0.458687	0.034530	1.169503
c	-0.458687	0.034530	1.169503
d	0.222792	1.142089	0.670718
e	0.222792	1.142089	0.670718
f	-0.412046	0.384853	2.196847
g	0.044213	-0.482927	-0.938850
h	0.044213	-0.482927	-0.938850

```
In [18]: print(df['one'].isnull())
```

a	False
b	True
c	False
d	True
e	False
f	False
g	True
h	False

Name: one, dtype: bool