Out[5]:

	ONE	TWO	THREE
Α	1.847285	-0.157227	0.701204
С	0.695610	-1.381305	1.317655
D	-0.923595	-1.263974	2.180541
F	0.377857	-0.547410	0.059798
G	-0.111076	1.461865	-0.432664

```
In [6]: df1 = df.reindex(['A','B','C','D','E','F','G'])
df1
```

Out[6]:

THREE	TWO	ONE		
0.701204	-0.157227	1.847285	Α	
NaN	NaN	NaN	В	
1.317655	-1.381305	0.695610	С	
2.180541	-1.263974	-0.923595	D	
NaN	NaN	NaN	Е	
0.059798	-0.547410	0.377857	F	
-0.432664	1.461865	-0.111076	G	

In [7]: df1.isna()

Out[7]:

	ONE	TWO	THREE
Α	False	False	False
В	True	True	True
С	False	False	False
D	False	False	False
Ε	True	True	True
F	False	False	False
G	False	False	False

```
In [8]: df1.isnull()
```

Out[8]:

	ONE	TWO	THREE
Α	False	False	False
В	True	True	True
С	False	False	False
D	False	False	False
Ε	True	True	True
F	False	False	False
G	False	False	False

```
In [9]: df1.isnull().sum()
```

Out[9]: ONE 2 TWO 2 THREE 2 dtype: int64

In [10]: df1.isna().sum()

Out[10]: ONE 2 TWO 2 2 THREE dtype: int64

In [13]: df.notna().sum()

Out[13]: ONE 5 5 TWO THREE dtype: int64

In [12]: df.notnull()

Out[12]:

	ONE	TWO	THREE
Α	True	True	True
С	True	True	True
D	True	True	True
F	True	True	True
G	True	True	True

Out[14]:

	Name	ioys	Pnn
0	Ares	NaN	NaN
1	Marry	Bat	333.0
2	Jain	Tab	NaN

```
In [16]: ma.dropna()
```

Out[16]:

Name Toys Phn

1 Marry Bat 333.0

```
In [19]: ma.dropna('columns')
```

Out[19]:

Name

- 0 Ares
- 1 Marry
- 2 Jain

```
In [20]: ma.dropna(1)
```

Out[20]:

Name

- 0 Ares
- 1 Marry
- 2 Jain

In [21]: ma.dropna(0)

Out[21]:

	Name	Toys	Phn
1	Marry	Bat	333.0

In [23]: ma.dropna(how='all')

1 Marry

Out[23]:

	Name	Toys	Phn
0	Ares	NaN	NaN
1	Marry	Bat	333.0
2	.lain	Tah	NaN

Bat 333.0

In [25]: ma.fillna(method = 'ffill')

Out[25]:

	Name	Toys	Phn
0	Ares	NaN	NaN
1	Marry	Bat	333.0
2	Jain	Tab	333.0

In [26]: ma.fillna(method = 'bfill')

Out[26]:

	Name	Toys	Phn
0	Ares	Bat	333.0
1	Marry	Bat	333.0
2	Jain	Tab	NaN

In [28]: df1.fillna(0.1)

Out[28]:

	ONE	TWO	THREE
Α	1.847285	-0.157227	0.701204
В	0.100000	0.100000	0.100000
С	0.695610	-1.381305	1.317655
D	-0.923595	-1.263974	2.180541
Ε	0.100000	0.100000	0.100000
F	0.377857	-0.547410	0.059798
G	-0.111076	1.461865	-0.432664

```
In [29]: df1.fillna('Boo')
```

Out[29]:

THREE	TWO	ONE	
0.701204	-0.157227	1.84728	Α
Воо	Воо	Воо	В
1.31765	-1.3813	0.69561	С
2.18054	-1.26397	-0.923595	D
Воо	Воо	Воо	Ε
0.0597978	-0.54741	0.377857	F
-0.432664	1.46187	-0.111076	G

In [30]: df1.fillna(method = 'backfill')

Out[30]:

	ONE	TWO	THREE
Α	1.847285	-0.157227	0.701204
В	0.695610	-1.381305	1.317655
С	0.695610	-1.381305	1.317655
D	-0.923595	-1.263974	2.180541
Ε	0.377857	-0.547410	0.059798
F	0.377857	-0.547410	0.059798
G	-0.111076	1.461865	-0.432664

In [31]: ma.replace('Jain','Laura')

Out[31]:

	Name	Toys	Phn
0	Ares	NaN	NaN
1	Marry	Bat	333.0
2	Laura	Tab	NaN

In [34]: ma.replace('Tab' , 7)

Out[34]:

	Name	Toys	Phn
0	Ares	NaN	NaN
1	Marry	Bat	333.0
2	Jain	7	NaN

```
In [ ]:
```