

```
In [1]: import pandas as pd
```

Drop Missing Values

```
In [2]: data=pd.read_csv('C:\\Users\\pc\\Downloads\\data_m.csv')
```

```
In [3]: data
```

Out[3]:

	Name	Marks	Grades
0	Priyang	98.0	NaN
1	Aadhya	NaN	AB
2	Krishna	99.0	AA
3	Vedant	87.0	NaN
4	Parshv	90.0	AC
5	Mittal	NaN	BA
6	Archana	82.0	BB

```
In [4]: data.dropna(axis=0,how='any')
```

Out[4]:

	Name	Marks	Grades
2	Krishna	99.0	AA
4	Parshv	90.0	AC
6	Archana	82.0	BB

```
In [5]: data.dropna(axis=1,how='any')
```

Out[5]:

	Name
0	Priyang
1	Aadhya
2	Krishna
3	Vedant
4	Parshv
5	Mittal
6	Archana

```
In [6]: data.dropna(axis=0,how='all')
```

Out[6]:

	Name	Marks	Grades
0	Priyang	98.0	NaN
1	Aadhya	NaN	AB
2	Krishna	99.0	AA
3	Vedant	87.0	NaN
4	Parshv	90.0	AC
5	Mittal	NaN	BA
6	Archana	82.0	BB

```
In [7]: data.dropna(axis=1,how='all')
```

Out[7]:

	Name	Marks	Grades
0	Priyang	98.0	NaN
1	Aadhya	NaN	AB
2	Krishna	99.0	AA
3	Vedant	87.0	NaN
4	Parshv	90.0	AC
5	Mittal	NaN	BA
6	Archana	82.0	BB

```
In [8]: data.dropna(axis=0,thresh=2)
```

Out[8]:

	Name	Marks	Grades
0	Priyang	98.0	NaN
1	Aadhya	NaN	AB
2	Krishna	99.0	AA
3	Vedant	87.0	NaN
4	Parshv	90.0	AC
5	Mittal	NaN	BA
6	Archana	82.0	BB

```
In [9]: data.dropna(subset=["Marks"])
```

```
Out[9]:
```

	Name	Marks	Grades
0	Priyang	98.0	NaN
2	Krishna	99.0	AA
3	Vedant	87.0	NaN
4	Parshv	90.0	AC
6	Archana	82.0	BB

FIINa

```
In [10]: data.fillna(0)
```

```
Out[10]:
```

	Name	Marks	Grades
0	Priyang	98.0	0
1	Aadhya	0.0	AB
2	Krishna	99.0	AA
3	Vedant	87.0	0
4	Parshv	90.0	AC
5	Mittal	0.0	BA
6	Archana	82.0	BB

```
In [11]: df=pd.read_csv('C:\\Users\\pc\\Downloads\\data_m.csv')
```

```
In [12]: df.fillna({'Marks':97,'Grades':'A'})
```

```
Out[12]:
```

	Name	Marks	Grades
0	Priyang	98.0	A
1	Aadhya	97.0	AB
2	Krishna	99.0	AA
3	Vedant	87.0	A
4	Parshv	90.0	AC
5	Mittal	97.0	BA
6	Archana	82.0	BB

```
In [13]: df1={"city":["Fsd","Isb","Lhr","Slk","Grw"],"Temp":[99,111,90,None,None]}
```

```
In [14]: df1
```

```
Out[14]: {'city': ['Fsd', 'Isb', 'Lhr', 'Slk', 'Grw'],  
          'Temp': [99, 111, 90, None, None]}
```

```
In [15]: df=pd.DataFrame(df1)
```

```
In [16]: data
```

```
Out[16]:
```

	Name	Marks	Grades
0	Priyang	98.0	NaN
1	Aadhya	NaN	AB
2	Krishna	99.0	AA
3	Vedant	87.0	NaN
4	Parshv	90.0	AC
5	Mittal	NaN	BA
6	Archana	82.0	BB

```
In [17]: data.fillna(method='pad')
```

```
Out[17]:
```

	Name	Marks	Grades
0	Priyang	98.0	NaN
1	Aadhya	98.0	AB
2	Krishna	99.0	AA
3	Vedant	87.0	AA
4	Parshv	90.0	AC
5	Mittal	90.0	BA
6	Archana	82.0	BB

```
In [18]: data.fillna(method='ffill')
```

```
Out[18]:
```

	Name	Marks	Grades
0	Priyang	98.0	NaN
1	Aadhya	98.0	AB
2	Krishna	99.0	AA
3	Vedant	87.0	AA
4	Parshv	90.0	AC
5	Mittal	90.0	BA
6	Archana	82.0	BB

```
In [19]: data.fillna(method='backfill')
```

Out[19]:

	Name	Marks	Grades
0	Priyang	98.0	AB
1	Aadhya	99.0	AB
2	Krishna	99.0	AA
3	Vedant	87.0	AC
4	Parshv	90.0	AC
5	Mittal	82.0	BA
6	Archana	82.0	BB

```
In [20]: data.fillna(method='bfill')
```

Out[20]:

	Name	Marks	Grades
0	Priyang	98.0	AB
1	Aadhya	99.0	AB
2	Krishna	99.0	AA
3	Vedant	87.0	AC
4	Parshv	90.0	AC
5	Mittal	82.0	BA
6	Archana	82.0	BB

```
In [21]: data.fillna(method="ffill",axis=1)
```

Out[21]:

	Name	Marks	Grades
0	Priyang	98.0	98.0
1	Aadhya	Aadhya	AB
2	Krishna	99.0	AA
3	Vedant	87.0	87.0
4	Parshv	90.0	AC
5	Mittal	Mittal	BA
6	Archana	82.0	BB

```
In [22]: # Limit parameter VALUE SHOULD BE GREATER THAN  
# Fill the first NAN value  
data.fillna(method='ffill',limit=3)
```

Out[22]:

	Name	Marks	Grades
0	Priyang	98.0	NaN
1	Aadhya	98.0	AB
2	Krishna	99.0	AA
3	Vedant	87.0	AA
4	Parshv	90.0	AC
5	Mittal	90.0	BA
6	Archana	82.0	BB

```
In [24]: # Downcast always pass infer  
df2=pd.DataFrame({"a":[1,None]})  
df2
```

Out[24]:

	a
0	1.0
1	NaN

```
In [25]: df2.fillna(0,downcast='infer')
```

Out[25]:

	a
0	1
1	0

In []: