

```
import pandas as pd
```

```
Co=pd.read_csv('/content/Covid_datset.zip')
```

```
Co
```

	Sno	Date	Time	State_UnionTerritory	ConfirmedIndianNational	ConfirmedFor
0	447	3/29/2020	7:30 PM	Andhra Pradesh	25	
1	448	3/29/2020	7:30 PM	Andaman and Nicobar Islands	5	
2	449	3/29/2020	7:30 PM	Bihar	3	
3	450	3/29/2020	7:30 PM	Chandigarh	23	
4	451	3/29/2020	7:30 PM	Chhattisgarh	27	
5	452	3/29/2020	7:30 PM	Delhi	15	
6	453	3/29/2020	7:30 PM	Goa	10	
7	454	3/29/2020	7:30 PM	Gujarat	16	
8	455	3/29/2020	7:30 PM	Haryana	40	
9	456	3/29/2020	7:30 PM	Himachal Pradesh	15	
10	457	3/29/2020	7:30 PM	Jammu and Kashmir	15	
11	458	3/29/2020	7:30 PM	Karnataka	18	
12	459	3/29/2020	7:30 PM	Kerala	8	
13	460	3/29/2020	7:30 PM	Ladakh	9	
14	461	3/29/2020	7:30 PM	Madhya Pradesh	8	
15	462	3/29/2020	7:30 PM	Maharashtra	6	
16	463	3/29/2020	7:30 PM	Manipur	21	

```
car=Co.copy()
```

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car
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car
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	Sno	Date	Time	State_UnionTerritory	ConfirmedIndianNational	ConfirmedFor
0	447	3/29/2020	7:30 PM	Andhra Pradesh	25	
1	448	3/29/2020	7:30 PM	Andaman and Nicobar Islands	5	
2	449	3/29/2020	7:30 PM	Bihar	3	
3	450	3/29/2020	7:30 PM	Chandigarh	23	
4	451	3/29/2020	7:30 PM	Chhattisgarh	27	
5	452	3/29/2020	7:30 PM	Delhi	15	
6	453	3/29/2020	7:30 PM	Goa	10	
7	454	3/29/2020	7:30 PM	Gujarat	16	
8	455	3/29/2020	7:30 PM	Haryana	40	
9	456	3/29/2020	7:30 PM	Himachal Pradesh	15	
10	457	3/29/2020	7:30 PM	Jammu and Kashmir	15	
11	458	3/29/2020	7:30 PM	Karnataka	18	
12	459	3/29/2020	7:30 PM	Kerala	8	
13	460	3/29/2020	7:30 PM	Ladakh	9	
14	461	3/29/2020	7:30 PM	Madhya Pradesh	8	
15	462	3/29/2020	7:30 PM	Maharashtra	6	
16	463	3/29/2020	7:30 PM	Manipur	21	
17	464	3/29/2020	7:30 PM	Mizoram	20	
18	465	3/29/2020	7:30 PM	Odisha	23	
19	466	3/29/2020	7:30 PM	Puducherry	44	
20	467	3/29/2020	7:30 PM	Punjab	42	

20	467	3/29/2020	7:30 PM	Uttarakhand	12
21	468	3/29/2020	7:30 PM	Rajasthan	2
22	469	3/29/2020	7:30 PM	Tamil Nadu	26
23	470	3/29/2020	7:30 PM	Telangana	25
24	471	3/29/2020	7:30 PM	Uttarakhand	12
25	472	3/29/2020	7:30 PM	Uttar Pradesh	21
26	473	3/29/2020	7:30 PM	West Bengal	22
27	474	3/30/2020	9:30 PM	Andhra Pradesh	28
28	475	3/30/2020	9:30 PM	Andaman and Nicobar Islands	27
29	476	3/30/2020	9:30 PM	Bihar	26
30	477	3/30/2020	9:30 PM	Chandigarh	25
31	478	3/30/2020	9:30 PM	Chhattisgarh	4
32	479	3/30/2020	9:30 PM	Delhi	6

```
Co=Co.drop('Cured',axis=1)
```

```
Co=Co.drop('Cured',axis=1)
```

```
Co.columns
```

```
Index(['Sno', 'Date', 'Time', 'State_UnionTerritory',
       'ConfirmedIndianNational', 'ConfirmedForeignNational', 'Deaths',
       'Confirmed'],
      dtype='object')
```

```
car.columns
```

```
Index(['Sno', 'Date', 'Time', 'State_UnionTerritory',
       'ConfirmedIndianNational', 'ConfirmedForeignNational', 'Cured',
       'Deaths', 'Confirmed'],
      dtype='object')
```

```
car.info()
```

```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 54 entries, 0 to 53
Data columns (total 9 columns):
#   Column                                Non-Null Count  Dtype
---  -
0   Sno                                    54 non-null     int64
1   Date                                  54 non-null     object
2   Time                                  54 non-null     object
3   State_UnionTerritory                 54 non-null     object
4   ConfirmedIndianNational              54 non-null     int64
5   ConfirmedForeignNational             54 non-null     int64
6   Cured                                54 non-null     int64
7   Deaths                               54 non-null     int64
8   Confirmed                             54 non-null     int64
dtypes: int64(6), object(3)
memory usage: 3.9+ KB

```

```
car.describe()
```

	Sno	ConfirmedIndianNational	ConfirmedForeignNational	Cured	Deaths
count	54.000000	54.000000	54.000000	54.000000	54.000000
mean	473.500000	19.685185	11.907407	3.666667	1.000000
std	15.732133	13.095908	7.549256	6.407543	1.732051
min	447.000000	2.000000	1.000000	0.000000	0.000000
25%	460.250000	9.000000	6.000000	0.000000	0.000000
50%	473.500000	19.000000	12.500000	1.000000	0.000000
75%	486.750000	26.000000	17.000000	3.750000	1.000000
max	500.000000	65.000000	32.000000	25.000000	8.000000

```
car[['Cured','State_UnionTerritory']].value_counts()
```

Cured	State_UnionTerritory	
0	Andaman and Nicobar Islands	2
1	Andhra Pradesh	2
11	Uttar Pradesh	2
6	Delhi	2
5	Karnataka	2
4	Tamil Nadu	2
3	Rajasthan	2
	Ladakh	2
2	Uttarakhand	2
1	Telengana	2
0	Bihar	2
1	Gujarat	2
	Punjab	2
0	West Bengal	2
	Manipur	2
	Chandigarh	2
	Chhattisgarh	2
	Goa	2

	Madhya Pradesh	2
	Himachal Pradesh	2
	Mizoram	2
	Odisha	2
	Puducherry	2
25	Maharashtra	2
1	Jammu and Kashmir	1
2	Jammu and Kashmir	1
15	Kerala	1
17	Haryana	1
18	Haryana	1
19	Kerala	1

dtype: int64

```
car['State_UnionTerritory'].unique()
```

```
array(['Andhra Pradesh', 'Andaman and Nicobar Islands', 'Bihar',
      'Chandigarh', 'Chhattisgarh', 'Delhi', 'Goa', 'Gujarat', 'Haryana',
      'Himachal Pradesh', 'Jammu and Kashmir', 'Karnataka', 'Kerala',
      'Ladakh', 'Madhya Pradesh', 'Maharashtra', 'Manipur', 'Mizoram',
      'Odisha', 'Puducherry', 'Punjab', 'Rajasthan', 'Tamil Nadu',
      'Telengana', 'Uttarakhand', 'Uttar Pradesh', 'West Bengal'],
      dtype=object)
```

```
car['State_UnionTerritory'].nunique()
```

27

```
car.sort_values('Deaths')
```

	Sno	Date	Time	State_UnionTerritory	ConfirmedIndianNational	ConfirmedFor
0	447	3/29/2020	7:30 PM	Andhra Pradesh	25	
30	477	3/30/2020	9:30 PM	Chandigarh	25	
35	482	3/30/2020	9:30 PM	Haryana	6	
28	475	3/30/2020	9:30 PM	Andaman and Nicobar Islands	27	
27	474	3/30/2020	9:30 PM	Andhra Pradesh	28	
52	499	3/30/2020	9:30 PM	Uttar Pradesh	35	
25	472	3/29/2020	7:30 PM	Uttar Pradesh	21	
24	471	3/29/2020	7:30 PM	Uttarakhand	12	
21	468	3/29/2020	7:30 PM	Rajasthan	2	
40	487	3/30/2020	9:30 PM	Ladakh	33	
19	466	3/29/2020	7:30 PM	Puducherry	44	
18	465	3/29/2020	7:30 PM	Odisha	23	
17	464	3/29/2020	7:30 PM	Mizoram	20	
31	478	3/30/2020	9:30 PM	Chhattisgarh	4	
43	490	3/30/2020	9:30 PM	Manipur	16	
16	463	3/29/2020	7:30 PM	Manipur	21	
13	460	3/29/2020	7:30 PM	Ladakh	9	
1	448	3/29/2020	7:30 PM	Andaman and Nicobar Islands	5	
51	498	3/30/2020	9:30 PM	Uttarakhand	13	
3	450	3/29/2020	7:30 PM	Chandigarh	23	
4	451	3/29/2020	7:30 PM	Chhattisgarh	27	

Rank	State	Deaths	Date	Time	State	Deaths
6	453	3/29/2020	7:30 PM	Goa	10	
44	491	3/30/2020	9:30 PM	Mizoram	5	
33	480	3/30/2020	9:30 PM	Goa	9	
8	455	3/29/2020	7:30 PM	Haryana	40	
48	495	3/30/2020	9:30 PM	Rajasthan	28	

```
car.sort_values('Deaths',ascending='false')
```


	Sno	Date	Time	State_UnionTerritory	ConfirmedIndianNational	ConfirmedFor
0	447	3/29/2020	7:30 PM	Andhra Pradesh	25	
30	477	3/30/2020	9:30 PM	Chandigarh	25	
35	482	3/30/2020	9:30 PM	Haryana	6	
28	475	3/30/2020	9:30 PM	Andaman and Nicobar Islands	27	
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1	448	3/29/2020	7:30 PM	Andaman and Nicobar Islands	5	
51	498	3/30/2020	9:30 PM	Uttarakhand	13	
3	450	3/29/2020	7:30 PM	Chandigarh	23	

```
can sort values(['Deaths', 'Confirmed']) ascending=False)
```

```
cat.sort_values(["Deaths", "Confirmed"], ascending=False,
```

	Sno	Date	Time	State_UnionTerritory	ConfirmedIndianNational	ConfirmedFor
42	489	3/30/2020	9:30 PM	Maharashtra	14	
15	462	3/29/2020	7:30 PM	Maharashtra	6	
34	481	3/30/2020	9:30 PM	Gujarat	8	
7	454	3/29/2020	7:30 PM	Gujarat	16	
38	485	3/30/2020	9:30 PM	Karnataka	53	
11	458	3/29/2020	7:30 PM	Karnataka	18	
41	488	3/30/2020	9:30 PM	Madhya Pradesh	12	
32	479	3/30/2020	9:30 PM	Delhi	6	
5	452	3/29/2020	7:30 PM	Delhi	15	
37	484	3/30/2020	9:30 PM	Jammu and Kashmir	5	
10	457	3/29/2020	7:30 PM	Jammu and Kashmir	15	
14	461	3/29/2020	7:30 PM	Madhya Pradesh	8	
39	486	3/30/2020	9:30 PM	Kerala	30	
12	459	3/29/2020	7:30 PM	Kerala	8	

```
car.describe(include='all')
```

	Sno	Date	Time	State_UnionTerritory	ConfirmedIndianNational	C
count	54.000000	54	54		54	54.000000
unique	NaN	2	2		27	NaN
top	NaN	3/29/2020	7:30 PM	Andhra Pradesh		NaN
frea	NaN	27	27		2	NaN

car.T

	0	1	2	3	4
Sno	447	448	449	450	451
Date	3/29/2020	3/29/2020	3/29/2020	3/29/2020	3/29/2020
Time	7:30 PM	7:30 PM	7:30 PM	7:30 PM	7:30 PM
State_UnionTerritory	Andhra Pradesh	Andaman and Nicobar Islands	Bihar	Chandigarh	Chhattisgarh
ConfirmedIndianNational	25	5	3	23	27
ConfirmedForeignNational	2	30	3	13	15
Cured	1	0	0	0	0
Deaths	0	0	1	0	0
Confirmed	19	9	11	8	7

9 rows × 54 columns



3/29/2020 7:30 PM

✓ 0s completed at 11:17 AM ● ✕