```
In [1]: import pandas as pd
        df=pd.read_csv("D:\\Python-Workspace\\Pandas\\studentmarks1.csv")
        print(df)
```

```
      htno      name  telugu  english  hindi  maths  science  social
0     100    Ramesh      50       60     66     98       66      55
1     101    Rajesh      45       67     34     67       66      78
2     102    Rossum      56       88     56     99       44      77
3     103      Raji      56       78     34     56       88      55
4     104    Kalyan      51       63     62     93       67      51
5     105   Karthik      48       62     39     68       65      88
6     106    Kambli      53       81     59     92       48      73
7     107   Praveen      46       88     74     86       78      45
8     108    Ganesh      53       62     76     88       76      35
9     109      Nags      55       77     44     77       86      58
10    110     Biswa      66       48     86     95       48      47
11    111    Ritchi      66       68     64     76       98      75
12    104    Kalyan      51       63     62     93       67      51
13    112   shareef      50       63     99     90       76      67
14    113      sonu      60       89     98     87       77      68
15    114    Rajesh      45       67     77     55       66      46
16    115    Rakesh      67       78     88     78       67      49
```

```
In [2]: len(df)
```

```
Out[2]: 17
```

```
In [3]: df.loc[len(df)]=[80,"Udaya",99,95,88,99,88,87]
```

```
In [4]: print(df)
```

```
      htno      name  telugu  english  hindi  maths  science  social
0     100    Ramesh      50       60     66     98       66      55
1     101    Rajesh      45       67     34     67       66      78
2     102    Rossum      56       88     56     99       44      77
3     103      Raji      56       78     34     56       88      55
4     104    Kalyan      51       63     62     93       67      51
5     105   Karthik      48       62     39     68       65      88
6     106    Kambli      53       81     59     92       48      73
7     107   Praveen      46       88     74     86       78      45
8     108    Ganesh      53       62     76     88       76      35
9     109      Nags      55       77     44     77       86      58
10    110     Biswa      66       48     86     95       48      47
11    111    Ritchi      66       68     64     76       98      75
12    104    Kalyan      51       63     62     93       67      51
13    112   shareef      50       63     99     90       76      67
14    113      sonu      60       89     98     87       77      68
15    114    Rajesh      45       67     77     55       66      46
16    115    Rakesh      67       78     88     78       67      49
17     80     Udaya      99       95     88     99       88      87
```

```
In [5]: df.sort_values(["telugu"])
```

Out[5]:

	htno	name	telugu	english	hindi	maths	science	social
1	101	Rajesh	45	67	34	67	66	78
15	114	Rajesh	45	67	77	55	66	46
7	107	Praveen	46	88	74	86	78	45
5	105	Karthik	48	62	39	68	65	88
0	100	Ramesh	50	60	66	98	66	55
13	112	shareef	50	63	99	90	76	67
4	104	Kalyan	51	63	62	93	67	51
12	104	Kalyan	51	63	62	93	67	51
8	108	Ganesh	53	62	76	88	76	35
6	106	Kambli	53	81	59	92	48	73
9	109	Nags	55	77	44	77	86	58
3	103	Raji	56	78	34	56	88	55
2	102	Rossum	56	88	56	99	44	77
14	113	sonu	60	89	98	87	77	68
10	110	Biswa	66	48	86	95	48	47
11	111	Ritchi	66	68	64	76	98	75
16	115	Rakesh	67	78	88	78	67	49
17	80	Udaya	99	95	88	99	88	87

```
In [6]: df.sort_values(["telugu"],ascending=False)
```

Out[6]:

	htno	name	telugu	english	hindi	maths	science	social
17	80	Udaya	99	95	88	99	88	87
16	115	Rakesh	67	78	88	78	67	49
10	110	Biswa	66	48	86	95	48	47
11	111	Ritchi	66	68	64	76	98	75
14	113	sonu	60	89	98	87	77	68
2	102	Rossum	56	88	56	99	44	77
3	103	Raji	56	78	34	56	88	55
9	109	Nags	55	77	44	77	86	58
8	108	Ganesh	53	62	76	88	76	35
6	106	Kambli	53	81	59	92	48	73
12	104	Kalyan	51	63	62	93	67	51
4	104	Kalyan	51	63	62	93	67	51
13	112	shareef	50	63	99	90	76	67
0	100	Ramesh	50	60	66	98	66	55
5	105	Karthik	48	62	39	68	65	88
7	107	Praveen	46	88	74	86	78	45
1	101	Rajesh	45	67	34	67	66	78
15	114	Rajesh	45	67	77	55	66	46

```
In [7]: df.sort_values(["name"],ascending=False)
```

Out[7]:

	htno	name	telugu	english	hindi	maths	science	social
14	113	sonu	60	89	98	87	77	68
13	112	shareef	50	63	99	90	76	67
17	80	Udaya	99	95	88	99	88	87
2	102	Rossum	56	88	56	99	44	77
11	111	Ritchi	66	68	64	76	98	75
0	100	Ramesh	50	60	66	98	66	55
16	115	Rakesh	67	78	88	78	67	49
3	103	Raji	56	78	34	56	88	55
1	101	Rajesh	45	67	34	67	66	78
15	114	Rajesh	45	67	77	55	66	46
7	107	Praveen	46	88	74	86	78	45
9	109	Nags	55	77	44	77	86	58
5	105	Karthik	48	62	39	68	65	88
6	106	Kambli	53	81	59	92	48	73
12	104	Kalyan	51	63	62	93	67	51
4	104	Kalyan	51	63	62	93	67	51
8	108	Ganesh	53	62	76	88	76	35
10	110	Biswa	66	48	86	95	48	47

```
In [ ]:
```