

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

```
In [2]: james=pd.read_csv('/Users/teisya/Desktop/Python 2 Datasets/jamesbond.csv')
```

```
In [3]: james
```

Out [3] :

	Film	Year	Actor	Director	Box Office	Budget	Bond Actor Salary
0	Dr. No	1962	Sean Connery	Terence Young	448.8	7.0	0.6
1	From Russia with Love	1963	Sean Connery	Terence Young	543.8	12.6	1.6
2	Goldfinger	1964	Sean Connery	Guy Hamilton	820.4	18.6	3.2
3	Thunderball	1965	Sean Connery	Terence Young	848.1	41.9	4.7
4	Casino Royale	1967	David Niven	Ken Hughes	315.0	85.0	NaN
5	You Only Live Twice	1967	Sean Connery	Lewis Gilbert	514.2	59.9	4.4
6	On Her Majesty's Secret Service	1969	George Lazenby	Peter R. Hunt	291.5	37.3	0.6
7	Diamonds Are Forever	1971	Sean Connery	Guy Hamilton	442.5	34.7	5.8
8	Live and Let Die	1973	Roger Moore	Guy Hamilton	460.3	30.8	NaN
9	The Man with the Golden Gun	1974	Roger Moore	Guy Hamilton	334.0	27.7	NaN
10	The Spy Who Loved Me	1977	Roger Moore	Lewis Gilbert	533.0	45.1	NaN
11	Moonraker	1979	Roger Moore	Lewis Gilbert	535.0	91.5	NaN
12	For Your Eyes Only	1981	Roger Moore	John Glen	449.4	60.2	NaN
13	Never Say Never Again	1983	Sean Connery	Irvin Kershner	380.0	86.0	NaN
14	Octopussy	1983	Roger Moore	John Glen	373.8	53.9	7.8
15	A View to a Kill	1985	Roger Moore	John Glen	275.2	54.5	9.1
16	The Living Daylights	1987	Timothy Dalton	John Glen	313.5	68.8	5.2
17	Licence to Kill	1989	Timothy Dalton	John Glen	250.9	56.7	7.9
18	GoldenEye	1995	Pierce Brosnan	Martin Campbell	518.5	76.9	5.1
19	Tomorrow Never Dies	1997	Pierce Brosnan	Roger Spottiswoode	463.2	133.9	10.0
20	The World Is Not Enough	1999	Pierce Brosnan	Michael Apted	439.5	158.3	13.5
21	Die Another Day	2002	Pierce Brosnan	Lee Tamahori	465.4	154.2	17.9
22	Casino Royale	2006	Daniel Craig	Martin Campbell	581.5	145.3	3.3

	Film	Year	Actor	Director	Box Office	Budget	Bond Actor Salary
23	Quantum of Solace	2008	Daniel Craig	Marc Forster	514.2	181.4	8.1
24	Skyfall	2012	Daniel Craig	Sam Mendes	943.5	170.2	14.5
25	Spectre	2015	Daniel Craig	Sam Mendes	726.7	206.3	30.0
26	No Time to Die	2021	Daniel Craig	Cary Joji Fukunaga	774.2	301.0	25.0

```
In [4]: james=pd.read_csv('/Users/teisya/Desktop/Python 2 Datasets/jamesbond.csv',usecols=["Actor"])
```

```
In [5]: james
```

Out [5] :

	Actor
0	Sean Connery
1	Sean Connery
2	Sean Connery
3	Sean Connery
4	David Niven
5	Sean Connery
6	George Lazenby
7	Sean Connery
8	Roger Moore
9	Roger Moore
10	Roger Moore
11	Roger Moore
12	Roger Moore
13	Sean Connery
14	Roger Moore
15	Roger Moore
16	Timothy Dalton
17	Timothy Dalton
18	Pierce Brosnan
19	Pierce Brosnan
20	Pierce Brosnan
21	Pierce Brosnan
22	Daniel Craig

Actor

23	Daniel Craig
24	Daniel Craig
25	Daniel Craig
26	Daniel Craig

```
In [6]: james=pd.read_csv('/Users/teisya/Desktop/Python 2 Datasets/jamesbond.csv')
```

```
In [7]: james.head
```

```

Out[7]: <bound method NDFrame.head of
0          Dr. No 1962   Sean Connery   Terence Young
1    From Russia with Love 1963   Sean Connery   Terence Young
2          Goldfinger 1964   Sean Connery   Guy Hamilton
3    Thunderball 1965   Sean Connery   Terence Young
4    Casino Royale 1967   David Niven   Ken Hughes
5    You Only Live Twice 1967   Sean Connery   Lewis Gilbert
6    On Her Majesty's Secret Service 1969   George Lazenby   Peter R. Hunt
7          Diamonds Are Forever 1971   Sean Connery   Guy Hamilton
8          Live and Let Die 1973   Roger Moore   Guy Hamilton
9    The Man with the Golden Gun 1974   Roger Moore   Guy Hamilton
10   The Spy Who Loved Me 1977   Roger Moore   Lewis Gilbert
11   Moonraker 1979   Roger Moore   Lewis Gilbert
12   For Your Eyes Only 1981   Roger Moore   John Glen
13   Never Say Never Again 1983   Sean Connery   Irvin Kershner
14   Octopussy 1983   Roger Moore   John Glen
15   A View to a Kill 1985   Roger Moore   John Glen
16   The Living Daylights 1987   Timothy Dalton   John Glen
17   Licence to Kill 1989   Timothy Dalton   John Glen
18   GoldenEye 1995   Pierce Brosnan   Martin Campbell
19   Tomorrow Never Dies 1997   Pierce Brosnan   Roger Spottiswoode
20   The World Is Not Enough 1999   Pierce Brosnan   Michael Apted
21   Die Another Day 2002   Pierce Brosnan   Lee Tamahori
22   Casino Royale 2006   Daniel Craig   Martin Campbell
23   Quantum of Solace 2008   Daniel Craig   Marc Forster
24   Skyfall 2012   Daniel Craig   Sam Mendes
25   Spectre 2015   Daniel Craig   Sam Mendes
26   No Time to Die 2021   Daniel Craig   Cary Joji Fukunaga

      Box Office  Budget  Bond Actor Salary
0          448.8    7.0          0.6
1          543.8   12.6          1.6
2          820.4   18.6          3.2
3          848.1   41.9          4.7
4          315.0   85.0         NaN
5          514.2   59.9          4.4
6          291.5   37.3          0.6
7          442.5   34.7          5.8
8          460.3   30.8         NaN
9          334.0   27.7         NaN

```

10	533.0	45.1	NaN
11	535.0	91.5	NaN
12	449.4	60.2	NaN
13	380.0	86.0	NaN
14	373.8	53.9	7.8
15	275.2	54.5	9.1
16	313.5	68.8	5.2
17	250.9	56.7	7.9
18	518.5	76.9	5.1
19	463.2	133.9	10.0
20	439.5	158.3	13.5
21	465.4	154.2	17.9
22	581.5	145.3	3.3
23	514.2	181.4	8.1
24	943.5	170.2	14.5
25	726.7	206.3	30.0
26	774.2	301.0	25.0

>

```
In [8]: james.sort_index(ascending=False)
```

Out [8] :

	Film	Year	Actor	Director	Box Office	Budget	Bond Actor Salary
26	No Time to Die	2021	Daniel Craig	Cary Joji Fukunaga	774.2	301.0	25.0
25	Spectre	2015	Daniel Craig	Sam Mendes	726.7	206.3	30.0
24	Skyfall	2012	Daniel Craig	Sam Mendes	943.5	170.2	14.5
23	Quantum of Solace	2008	Daniel Craig	Marc Forster	514.2	181.4	8.1
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21	Die Another Day	2002	Pierce Brosnan	Lee Tamahori	465.4	154.2	17.9
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19	Tomorrow Never Dies	1997	Pierce Brosnan	Roger Spottiswoode	463.2	133.9	10.0
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14	Octopussy	1983	Roger Moore	John Glen	373.8	53.9	7.8
13	Never Say Never Again	1983	Sean Connery	Irvin Kershner	380.0	86.0	NaN
12	For Your Eyes Only	1981	Roger Moore	John Glen	449.4	60.2	NaN
11	Moonraker	1979	Roger Moore	Lewis Gilbert	535.0	91.5	NaN
10	The Spy Who Loved Me	1977	Roger Moore	Lewis Gilbert	533.0	45.1	NaN
9	The Man with the Golden Gun	1974	Roger Moore	Guy Hamilton	334.0	27.7	NaN
8	Live and Let Die	1973	Roger Moore	Guy Hamilton	460.3	30.8	NaN
7	Diamonds Are Forever	1971	Sean Connery	Guy Hamilton	442.5	34.7	5.8
6	On Her Majesty's Secret Service	1969	George Lazenby	Peter R. Hunt	291.5	37.3	0.6
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	Film	Year	Actor	Director	Box Office	Budget	Bond Actor Salary
3	Thunderball	1965	Sean Connery	Terence Young	848.1	41.9	4.7
2	Goldfinger	1964	Sean Connery	Guy Hamilton	820.4	18.6	3.2
1	From Russia with Love	1963	Sean Connery	Terence Young	543.8	12.6	1.6
0	Dr. No	1962	Sean Connery	Terence Young	448.8	7.0	0.6

```
In [9]: james.sort_values("Film",ascending=False)
```

Out [9]:

	Film	Year	Actor	Director	Box Office	Budget	Bond Actor Salary
5	You Only Live Twice	1967	Sean Connery	Lewis Gilbert	514.2	59.9	4.4
19	Tomorrow Never Dies	1997	Pierce Brosnan	Roger Spottiswoode	463.2	133.9	10.0
3	Thunderball	1965	Sean Connery	Terence Young	848.1	41.9	4.7
20	The World Is Not Enough	1999	Pierce Brosnan	Michael Apted	439.5	158.3	13.5
10	The Spy Who Loved Me	1977	Roger Moore	Lewis Gilbert	533.0	45.1	NaN
9	The Man with the Golden Gun	1974	Roger Moore	Guy Hamilton	334.0	27.7	NaN
16	The Living Daylights	1987	Timothy Dalton	John Glen	313.5	68.8	5.2
25	Spectre	2015	Daniel Craig	Sam Mendes	726.7	206.3	30.0
24	Skyfall	2012	Daniel Craig	Sam Mendes	943.5	170.2	14.5
23	Quantum of Solace	2008	Daniel Craig	Marc Forster	514.2	181.4	8.1
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14	Octopussy	1983	Roger Moore	John Glen	373.8	53.9	7.8
26	No Time to Die	2021	Daniel Craig	Cary Joji Fukunaga	774.2	301.0	25.0
13	Never Say Never Again	1983	Sean Connery	Irvin Kershner	380.0	86.0	NaN
11	Moonraker	1979	Roger Moore	Lewis Gilbert	535.0	91.5	NaN
8	Live and Let Die	1973	Roger Moore	Guy Hamilton	460.3	30.8	NaN
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2	Goldfinger	1964	Sean Connery	Guy Hamilton	820.4	18.6	3.2
18	GoldenEye	1995	Pierce Brosnan	Martin Campbell	518.5	76.9	5.1
1	From Russia with Love	1963	Sean Connery	Terence Young	543.8	12.6	1.6
12	For Your Eyes Only	1981	Roger Moore	John Glen	449.4	60.2	NaN
0	Dr. No	1962	Sean Connery	Terence Young	448.8	7.0	0.6
21	Die Another Day	2002	Pierce Brosnan	Lee Tamahori	465.4	154.2	17.9

	Film	Year	Actor	Director	Box Office	Budget	Bond Actor Salary
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4	Casino Royale	1967	David Niven	Ken Hughes	315.0	85.0	NaN
15	A View to a Kill	1985	Roger Moore	John Glen	275.2	54.5	9.1

```
In [10]: james.sort_values("Film",ascending=False)
```

Out[10]:

	Film	Year	Actor	Director	Box Office	Budget	Bond Actor Salary
5	You Only Live Twice	1967	Sean Connery	Lewis Gilbert	514.2	59.9	4.4
19	Tomorrow Never Dies	1997	Pierce Brosnan	Roger Spottiswoode	463.2	133.9	10.0
3	Thunderball	1965	Sean Connery	Terence Young	848.1	41.9	4.7
20	The World Is Not Enough	1999	Pierce Brosnan	Michael Apted	439.5	158.3	13.5
10	The Spy Who Loved Me	1977	Roger Moore	Lewis Gilbert	533.0	45.1	NaN
9	The Man with the Golden Gun	1974	Roger Moore	Guy Hamilton	334.0	27.7	NaN
16	The Living Daylights	1987	Timothy Dalton	John Glen	313.5	68.8	5.2
25	Spectre	2015	Daniel Craig	Sam Mendes	726.7	206.3	30.0
24	Skyfall	2012	Daniel Craig	Sam Mendes	943.5	170.2	14.5
23	Quantum of Solace	2008	Daniel Craig	Marc Forster	514.2	181.4	8.1
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26	No Time to Die	2021	Daniel Craig	Cary Joji Fukunaga	774.2	301.0	25.0
13	Never Say Never Again	1983	Sean Connery	Irvin Kershner	380.0	86.0	NaN
11	Moonraker	1979	Roger Moore	Lewis Gilbert	535.0	91.5	NaN
8	Live and Let Die	1973	Roger Moore	Guy Hamilton	460.3	30.8	NaN
17	Licence to Kill	1989	Timothy Dalton	John Glen	250.9	56.7	7.9
2	Goldfinger	1964	Sean Connery	Guy Hamilton	820.4	18.6	3.2
18	GoldenEye	1995	Pierce Brosnan	Martin Campbell	518.5	76.9	5.1
1	From Russia with Love	1963	Sean Connery	Terence Young	543.8	12.6	1.6
12	For Your Eyes Only	1981	Roger Moore	John Glen	449.4	60.2	NaN
0	Dr. No	1962	Sean Connery	Terence Young	448.8	7.0	0.6
21	Die Another Day	2002	Pierce Brosnan	Lee Tamahori	465.4	154.2	17.9

	Film	Year	Actor	Director	Box Office	Budget	Bond Actor Salary
7	Diamonds Are Forever	1971	Sean Connery	Guy Hamilton	442.5	34.7	5.8
22	Casino Royale	2006	Daniel Craig	Martin Campbell	581.5	145.3	3.3
4	Casino Royale	1967	David Niven	Ken Hughes	315.0	85.0	NaN
15	A View to a Kill	1985	Roger Moore	John Glen	275.2	54.5	9.1

```
In [11]: james=pd.read_csv('/Users/teisya/Desktop/Python 2 Datasets/jamesbond.csv',index_col="Film")
```

Out[11]:

	Actor	Bond	Actor Salary	Box Office	Budget	Director	Film	Year
0	NaN		NaN	NaN	NaN	NaN	NaN	NaN
1	NaN		NaN	NaN	NaN	NaN	NaN	NaN
2	NaN		NaN	NaN	NaN	NaN	NaN	NaN
3	NaN		NaN	NaN	NaN	NaN	NaN	NaN
4	NaN		NaN	NaN	NaN	NaN	NaN	NaN
5	NaN		NaN	NaN	NaN	NaN	NaN	NaN
6	NaN		NaN	NaN	NaN	NaN	NaN	NaN
7	NaN		NaN	NaN	NaN	NaN	NaN	NaN
8	NaN		NaN	NaN	NaN	NaN	NaN	NaN
9	NaN		NaN	NaN	NaN	NaN	NaN	NaN
10	NaN		NaN	NaN	NaN	NaN	NaN	NaN
11	NaN		NaN	NaN	NaN	NaN	NaN	NaN
12	NaN		NaN	NaN	NaN	NaN	NaN	NaN
13	NaN		NaN	NaN	NaN	NaN	NaN	NaN
14	NaN		NaN	NaN	NaN	NaN	NaN	NaN
15	NaN		NaN	NaN	NaN	NaN	NaN	NaN
16	NaN		NaN	NaN	NaN	NaN	NaN	NaN
17	NaN		NaN	NaN	NaN	NaN	NaN	NaN
18	NaN		NaN	NaN	NaN	NaN	NaN	NaN
19	NaN		NaN	NaN	NaN	NaN	NaN	NaN
20	NaN		NaN	NaN	NaN	NaN	NaN	NaN
21	NaN		NaN	NaN	NaN	NaN	NaN	NaN
22	NaN		NaN	NaN	NaN	NaN	NaN	NaN

	Actor	Bond	Actor Salary	Box Office	Budget	Director	Film	Year
23	NaN		NaN	NaN	NaN	NaN	NaN	NaN
24	NaN		NaN	NaN	NaN	NaN	NaN	NaN
25	NaN		NaN	NaN	NaN	NaN	NaN	NaN
26	NaN		NaN	NaN	NaN	NaN	NaN	NaN
A View to a Kill	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Casino Royale	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Casino Royale	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Diamonds Are Forever	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Die Another Day	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Dr. No	NaN		NaN	NaN	NaN	NaN	NaN	NaN
For Your Eyes Only	NaN		NaN	NaN	NaN	NaN	NaN	NaN
From Russia with Love	NaN		NaN	NaN	NaN	NaN	NaN	NaN
GoldenEye	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Goldfinger	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Licence to Kill	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Live and Let Die	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Moonraker	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Never Say Never Again	NaN		NaN	NaN	NaN	NaN	NaN	NaN
No Time to Die	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Octopussy	NaN		NaN	NaN	NaN	NaN	NaN	NaN
On Her Majesty's Secret Service	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Quantum of Solace	NaN		NaN	NaN	NaN	NaN	NaN	NaN
Skyfall	NaN		NaN	NaN	NaN	NaN	NaN	NaN

	Actor	Bond	Actor Salary	Box Office	Budget	Director	Film	Year
	Spectre	NaN		NaN	NaN	NaN	NaN	NaN
	The Living Daylights	NaN		NaN	NaN	NaN	NaN	NaN
	The Man with the Golden Gun	NaN		NaN	NaN	NaN	NaN	NaN
	The Spy Who Loved Me	NaN		NaN	NaN	NaN	NaN	NaN
	The World Is Not Enough	NaN		NaN	NaN	NaN	NaN	NaN
	Thunderball	NaN		NaN	NaN	NaN	NaN	NaN
	Tomorrow Never Dies	NaN		NaN	NaN	NaN	NaN	NaN
	You Only Live Twice	NaN		NaN	NaN	NaN	NaN	NaN

In []:

In []: