

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

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In [6]: james=pd.read_csv('/Users/teisya/Desktop/Python 2 Datasets/jamesbond.csv')
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In [7]: james.head
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Out[7]: <bound method NDFrame.head of

		Dr. No	1962	Sean Connery	Film	Year	Actor	Director	\
0		From Russia with Love	1963	Sean Connery			Terence Young		
1		Goldfinger	1964	Sean Connery			Terence Young		
2		Thunderball	1965	Sean Connery			Guy Hamilton		
3		Casino Royale	1967	David Niven			Terence Young		
4		You Only Live Twice	1967	Sean Connery			Ken Hughes		
5		On Her Majesty's Secret Service	1969	George Lazenby			Lewis Gilbert		
6		Diamonds Are Forever	1971	Sean Connery			Peter R. Hunt		
7		Live and Let Die	1973	Roger Moore			Guy Hamilton		
8		The Man with the Golden Gun	1974	Roger Moore			Guy Hamilton		
9		The Spy Who Loved Me	1977	Roger Moore			Lewis Gilbert		
10		Moonraker	1979	Roger Moore			Lewis Gilbert		
11		For Your Eyes Only	1981	Roger Moore			John Glen		
12		Never Say Never Again	1983	Sean Connery			Irvin Kershner		
13		Octopussy	1983	Roger Moore			John Glen		
14		A View to a Kill	1985	Roger Moore			John Glen		
15		The Living Daylights	1987	Timothy Dalton			John Glen		
16		Licence to Kill	1989	Timothy Dalton			John Glen		
17		GoldenEye	1995	Pierce Brosnan			Martin Campbell		
18		Tomorrow Never Dies	1997	Pierce Brosnan			Roger Spottiswoode		
19		The World Is Not Enough	1999	Pierce Brosnan			Michael Apted		
20		Die Another Day	2002	Pierce Brosnan			Lee Tamahori		
21		Casino Royale	2006	Daniel Craig			Martin Campbell		
22		Quantum of Solace	2008	Daniel Craig			Marc Forster		
23		Skyfall	2012	Daniel Craig			Sam Mendes		
24		Spectre	2015	Daniel Craig			Sam Mendes		
25		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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19	Tomorrow Never Dies	1997	Pierce Brosnan	Roger Spottiswoode	463.2	133.9	10.0
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13	Never Say Never Again	1983	Sean Connery	Irvin Kershner	380.0	86.0	NaN
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11	Moonraker	1979	Roger Moore	Lewis Gilbert	535.0	91.5	NaN
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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
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
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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	
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23	Quantum of Solace	2008	Daniel Craig	Marc Forster	514.2	181.4	8.1	
6	On Her Majesty's Secret Service	1969	George Lazenby	Peter R. Hunt	291.5	37.3	0.6	
14	Octopussy	1983	Roger Moore	John Glen	373.8	53.9	7.8	
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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	
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	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 [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
	24	NaN	NaN	NaN	NaN	NaN	NaN
	25	NaN	NaN	NaN	NaN	NaN	NaN
	26	NaN	NaN	NaN	NaN	NaN	NaN
	A View to a Kill	NaN	NaN	NaN	NaN	NaN	NaN
	Casino Royale	NaN	NaN	NaN	NaN	NaN	NaN
	Casino Royale	NaN	NaN	NaN	NaN	NaN	NaN
	Diamonds Are Forever	NaN	NaN	NaN	NaN	NaN	NaN
	Die Another Day	NaN	NaN	NaN	NaN	NaN	NaN
	Dr. No	NaN	NaN	NaN	NaN	NaN	NaN
	For Your Eyes Only	NaN	NaN	NaN	NaN	NaN	NaN
	From Russia with Love	NaN	NaN	NaN	NaN	NaN	NaN
	GoldenEye	NaN	NaN	NaN	NaN	NaN	NaN
	Goldfinger	NaN	NaN	NaN	NaN	NaN	NaN
	Licence to Kill	NaN	NaN	NaN	NaN	NaN	NaN
	Live and Let Die	NaN	NaN	NaN	NaN	NaN	NaN
	Moonraker	NaN	NaN	NaN	NaN	NaN	NaN
	Never Say Never Again	NaN	NaN	NaN	NaN	NaN	NaN
	No Time to Die	NaN	NaN	NaN	NaN	NaN	NaN
	Octopussy	NaN	NaN	NaN	NaN	NaN	NaN
	On Her Majesty's Secret Service	NaN	NaN	NaN	NaN	NaN	NaN
	Quantum of Solace	NaN	NaN	NaN	NaN	NaN	NaN
	Skyfall	NaN	NaN	NaN	NaN	NaN	NaN

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

In []:

In []: