

```
In [1]: import pandas as pd
nba = pd.read_csv("nba.csv")
nba.head()
```

Out[1]:

	Name	Team	Number	Position	Age	Height	Weight	College	Salary
0	Avery Bradley	Boston Celtics	0.0	PG	25.0	6-2	180.0	Texas	7730337.0
1	Jae Crowder	Boston Celtics	99.0	SF	25.0	6-6	235.0	Marquette	6796117.0
2	John Holland	Boston Celtics	30.0	SG	27.0	6-5	205.0	Boston University	NaN
3	R.J. Hunter	Boston Celtics	28.0	SG	22.0	6-5	185.0	Georgia State	1148640.0
4	Jonas Jerebko	Boston Celtics	8.0	PF	29.0	6-10	231.0	NaN	5000000.0

```
In [3]: nba.sort_values(["Team", "Name"]).head()
```

Out[3]:

	Name	Team	Number	Position	Age	Height	Weight	College	Salary
312	Al Horford	Atlanta Hawks	15.0	C	30.0	6-10	245.0	Florida	12000000.0
318	Dennis Schroder	Atlanta Hawks	17.0	PG	22.0	6-1	172.0	NaN	1763400.0
323	Jeff Teague	Atlanta Hawks	0.0	PG	27.0	6-2	186.0	Wake Forest	8000000.0
309	Kent Bazemore	Atlanta Hawks	24.0	SF	26.0	6-5	201.0	Old Dominion	2000000.0
311	Kirk Hinrich	Atlanta Hawks	12.0	SG	35.0	6-4	190.0	Kansas	2854940.0

```
In [4]: nba.sort_values(["Team", "Name"], ascending=False)
```

Out[4]:

	Name	Team	Number	Position	Age	Height	Weight	College	Salary
379	Ramon Sessions	Washington Wizards	7.0	PG	30.0	6-3	190.0	Nevada	2170465.0
378	Otto Porter Jr.	Washington Wizards	22.0	SF	23.0	6-8	198.0	Georgetown	4662960.0
375	Nene Hilario	Washington Wizards	42.0	C	33.0	6-11	250.0	NaN	13000000.0
376	Markieff Morris	Washington Wizards	5.0	PF	26.0	6-10	245.0	Kansas	8000000.0
381	Marcus Thornton	Washington Wizards	15.0	SF	29.0	6-4	205.0	LSU	200600.0
373	Marcin Gortat	Washington Wizards	13.0	C	32.0	6-11	240.0	NaN	11217391.0
377	Kelly Oubre Jr.	Washington Wizards	12.0	SF	20.0	6-7	205.0	Kansas	1920240.0
382	John Wall	Washington Wizards	2.0	PG	25.0	6-4	195.0	Kentucky	15851950.0
371	Jarell Eddie	Washington Wizards	8.0	SG	24.0	6-7	218.0	Virginia Tech	561716.0
370	Jared Dudley	Washington Wizards	1.0	SF	30.0	6-7	225.0	Boston College	4375000.0
374	JJ Hickson	Washington Wizards	21.0	C	27.0	6-9	242.0	North Carolina State	273038.0
380	Garrett Temple	Washington Wizards	17.0	SG	30.0	6-6	195.0	LSU	1100602.0
372	Drew Gooden	Washington Wizards	90.0	PF	34.0	6-10	250.0	Kansas	3300000.0
369	Bradley Beal	Washington Wizards	3.0	SG	22.0	6-5	207.0	Florida	5694674.0
368	Alan Anderson	Washington Wizards	6.0	SG	33.0	6-6	220.0	Michigan State	4000000.0
452	Trey Lyles	Utah Jazz	41.0	PF	20.0	6-10	234.0	Kentucky	2239800.0
443	Trey Burke	Utah Jazz	3.0	PG	23.0	6-1	191.0	Michigan	2658240.0
442	Trevor Booker	Utah Jazz	33.0	PF	28.0	6-8	228.0	Clemson	4775000.0
455	Tibor Pleiss	Utah Jazz	21.0	C	26.0	7-3	256.0	NaN	2900000.0
453	Shelvin Mack	Utah Jazz	8.0	PG	26.0	6-3	203.0	Butler	2433333.0
447	Rudy Gobert	Utah Jazz	27.0	C	23.0	7-1	245.0	NaN	1175880.0
449	Rodney Hood	Utah Jazz	5.0	SG	23.0	6-8	206.0	Duke	1348440.0
454	Raul Neto	Utah Jazz	25.0	PG	24.0	6-1	179.0	NaN	900000.0
450	Joe Ingles	Utah Jazz	2.0	SF	28.0	6-8	226.0	NaN	2050000.0
456	Jeff Withey	Utah Jazz	24.0	C	26.0	7-0	231.0	Kansas	947276.0
448	Gordon Hayward	Utah Jazz	20.0	SF	26.0	6-8	226.0	Butler	15409570.0
446	Derrick Favors	Utah Jazz	15.0	PF	24.0	6-10	265.0	Georgia Tech	12000000.0
445	Dante Exum	Utah Jazz	11.0	PG	20.0	6-6	190.0	NaN	3777720.0
451	Chris Johnson	Utah Jazz	23.0	SF	26.0	6-6	206.0	Dayton	981348.0
444	Alec Burks	Utah Jazz	10.0	SG	24.0	6-6	214.0	Colorado	9463484.0
...
8	Terry Rozier	Boston Celtics	12.0	PG	22.0	6-2	190.0	Louisville	1824360.0
3	R.J. Hunter	Boston Celtics	28.0	SG	22.0	6-5	185.0	Georgia State	1148640.0
9	Marcus Smart	Boston Celtics	36.0	PG	22.0	6-4	220.0	Oklahoma State	3431040.0
7	Kelly Olynyk	Boston Celtics	41.0	C	25.0	7-0	238.0	Gonzaga	2165160.0
6	Jordan Mickey	Boston Celtics	55.0	PF	21.0	6-8	235.0	LSU	1170960.0
4	Jonas Jerebko	Boston Celtics	8.0	PF	29.0	6-10	231.0	NaN	5000000.0
2	John Holland	Boston Celtics	30.0	SG	27.0	6-5	205.0	Boston University	NaN
10	Jared Sullinger	Boston Celtics	7.0	C	24.0	6-9	260.0	Ohio State	2569260.0
13	James Young	Boston Celtics	13.0	SG	20.0	6-6	215.0	Kentucky	1749840.0
1	Jae Crowder	Boston Celtics	99.0	SF	25.0	6-6	235.0	Marquette	6796117.0
11	Isaiah Thomas	Boston Celtics	4.0	PG	27.0	5-9	185.0	Washington	6912869.0
12	Evan Turner	Boston Celtics	11.0	SG	27.0	6-7	220.0	Ohio State	3425510.0
0	Avery Bradley	Boston Celtics	0.0	PG	25.0	6-2	180.0	Texas	7730337.0
5	Amir Johnson	Boston Celtics	90.0	PF	29.0	6-9	240.0	NaN	12000000.0
322	Walter Tavares	Atlanta Hawks	22.0	C	24.0	7-3	260.0	NaN	1000000.0
310	Tim Hardaway Jr.	Atlanta Hawks	10.0	SG	24.0	6-6	205.0	Michigan	1304520.0
321	Tiago Splitter	Atlanta Hawks	11.0	C	31.0	6-11	245.0	NaN	9756250.0
320	Thabo Sefolosha	Atlanta Hawks	25.0	SF	32.0	6-7	220.0	NaN	4000000.0
315	Paul Millsap	Atlanta Hawks	4.0	PF	31.0	6-8	246.0	Louisiana Tech	18671659.0
319	Mike Scott	Atlanta Hawks	32.0	PF	27.0	6-8	237.0	Virginia	3333333.0
316	Mike Muscala	Atlanta Hawks	31.0	PF	24.0	6-11	240.0	Bucknell	947276.0
317	Lamar Patterson	Atlanta Hawks	13.0	SG	24.0	6-5	225.0	Pittsburgh	525093.0
314	Kyle Korver	Atlanta Hawks	26.0	SG	35.0	6-7	212.0	Creighton	5746479.0
313	Kris Humphries	Atlanta Hawks	43.0	PF	31.0	6-9	235.0	Minnesota	1000000.0
311	Kirk Hinrich	Atlanta Hawks	12.0	SG	35.0	6-4	190.0	Kansas	2854940.0
309	Kent Bazemore	Atlanta Hawks	24.0	SF	26.0	6-5	201.0	Old Dominion	2000000.0
323	Jeff Teague	Atlanta Hawks	0.0	PG	27.0	6-2	186.0	Wake Forest	8000000.0
318	Dennis Schroder	Atlanta Hawks	17.0	PG	22.0	6-1	172.0	NaN	1763400.0
312	Al Horford	Atlanta Hawks	15.0	C	30.0	6-10	245.0	Florida	12000000.0
457	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

458 rows × 9 columns

In [6]: nba.sort_values(["Name"],ascending=False)

Out[6]:

	Name	Team	Number	Position	Age	Height	Weight	College	Salary
237	Zaza Pachulia	Dallas Mavericks	27.0	C	32.0	6-11	275.0	NaN	5200000.0
271	Zach Randolph	Memphis Grizzlies	50.0	PF	34.0	6-9	260.0	Michigan State	9638555.0
402	Zach LaVine	Minnesota Timberwolves	8.0	PG	21.0	6-5	189.0	UCLA	2148360.0
270	Xavier Munford	Memphis Grizzlies	14.0	PG	24.0	6-3	180.0	Rhode Island	NaN
386	Wilson Chandler	Denver Nuggets	21.0	SF	29.0	6-8	225.0	DePaul	10449438.0
25	Willie Reed	Brooklyn Nets	33.0	PF	26.0	6-10	220.0	Saint Louis	947276.0
141	Willie Cauley-Stein	Sacramento Kings	0.0	C	22.0	7-0	240.0	Kentucky	3398280.0
385	Will Barton	Denver Nuggets	5.0	SF	25.0	6-6	175.0	Memphis	3533333.0
233	Wesley Matthews	Dallas Mavericks	23.0	SG	29.0	6-5	220.0	Marquette	16407500.0
97	Wesley Johnson	Los Angeles Clippers	33.0	SF	28.0	6-7	215.0	Syracuse	1100602.0
17	Wayne Ellington	Brooklyn Nets	21.0	SG	28.0	6-4	200.0	North Carolina	1500000.0
322	Walter Tavares	Atlanta Hawks	22.0	C	24.0	7-3	260.0	NaN	1000000.0
261	Vince Carter	Memphis Grizzlies	15.0	SG	39.0	6-6	220.0	North Carolina	4088019.0
363	Victor Oladipo	Orlando Magic	5.0	SG	24.0	6-4	210.0	Indiana	5192520.0
343	Udonis Haslem	Miami Heat	40.0	PF	36.0	6-8	235.0	Florida	2854940.0
401	Tyus Jones	Minnesota Timberwolves	1.0	PG	20.0	6-2	195.0	Duke	1282080.0
124	Tyson Chandler	Phoenix Suns	4.0	C	33.0	7-1	240.0	NaN	13000000.0
285	Tyreke Evans	New Orleans Pelicans	1.0	SG	26.0	6-6	220.0	Memphis	10734586.0
14	Tyler Zeller	Boston Celtics	44.0	C	26.0	7-0	253.0	North Carolina	2616975.0
345	Tyler Johnson	Miami Heat	8.0	SG	24.0	6-4	186.0	Fresno State	845059.0
327	Tyler Hansbrough	Charlotte Hornets	50.0	PF	30.0	6-9	250.0	North Carolina	947276.0
215	Tyler Ennis	Milwaukee Bucks	11.0	PG	21.0	6-3	194.0	Syracuse	1662360.0
203	Ty Lawson	Indiana Pacers	10.0	PG	28.0	5-11	195.0	North Carolina	211744.0
325	Troy Daniels	Charlotte Hornets	30.0	SG	24.0	6-4	205.0	Virginia Commonwealth	947276.0
179	Tristan Thompson	Cleveland Cavaliers	13.0	C	25.0	6-9	238.0	Texas	14260870.0
452	Trey Lyles	Utah Jazz	41.0	PF	20.0	6-10	234.0	Kentucky	2239800.0
443	Trey Burke	Utah Jazz	3.0	PG	23.0	6-1	191.0	Michigan	2658240.0
442	Trevor Booker	Utah Jazz	33.0	PF	28.0	6-8	228.0	Clemson	4775000.0
242	Trevor Ariza	Houston Rockets	1.0	SF	30.0	6-8	215.0	UCLA	8193030.0
45	Tony Wroten	New York Knicks	5.0	SG	23.0	6-6	205.0	Washington	167406.0
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421	Anthony Morrow	Oklahoma City Thunder	2.0	SG	30.0	6-5	210.0	Georgia Tech	3344000.0
281	Anthony Davis	New Orleans Pelicans	23.0	PF	23.0	6-10	253.0	Kentucky	7070730.0
108	Anthony Brown	Los Angeles Lakers	3.0	SF	23.0	6-7	210.0	Stanford	700000.0
411	Andrew Wiggins	Minnesota Timberwolves	22.0	SG	21.0	6-8	199.0	Kansas	5758680.0
362	Andrew Nicholson	Orlando Magic	44.0	PF	26.0	6-9	250.0	St. Bonaventure	2380593.0
248	Andrew Goudelock	Houston Rockets	0.0	PG	27.0	6-3	200.0	Charleston	200600.0
78	Andrew Bogut	Golden State Warriors	12.0	C	31.0	7-0	260.0	Utah	13800000.0
423	Andre Roberson	Oklahoma City Thunder	21.0	SG	24.0	6-7	210.0	Colorado	1210800.0
304	Andre Miller	San Antonio Spurs	24.0	PG	40.0	6-3	200.0	Utah	250750.0
83	Andre Iguodala	Golden State Warriors	9.0	SF	32.0	6-6	215.0	Arizona	11710456.0
188	Andre Drummond	Detroit Pistons	0.0	C	22.0	6-11	279.0	Connecticut	3272091.0
90	Anderson Varejao	Golden State Warriors	18.0	PF	33.0	6-11	273.0	NaN	289755.0
5	Amir Johnson	Boston Celtics	90.0	PF	29.0	6-9	240.0	NaN	12000000.0
348	Amar'e Stoudemire	Miami Heat	5.0	PF	33.0	6-10	245.0	NaN	947276.0
287	Alonzo Gee	New Orleans Pelicans	15.0	SF	29.0	6-6	225.0	Alabama	1320000.0
430	Allen Crabbe	Portland Trail Blazers	23.0	SG	24.0	6-6	210.0	California	947276.0
275	Alexis Ajinca	New Orleans Pelicans	42.0	C	28.0	7-2	248.0	NaN	4389607.0
273	Alex Stepheson	Memphis Grizzlies	35.0	PF	28.0	6-10	270.0	USC	NaN
128	Alex Len	Phoenix Suns	21.0	C	22.0	7-1	260.0	Maryland	3807120.0
444	Alec Burks	Utah Jazz	10.0	SG	24.0	6-6	214.0	Colorado	9463484.0
135	Alan Williams	Phoenix Suns	15.0	C	23.0	6-8	260.0	UC Santa Barbara	83397.0
368	Alan Anderson	Washington Wizards	6.0	SG	33.0	6-6	220.0	Michigan State	4000000.0
428	Al-Farouq Aminu	Portland Trail Blazers	8.0	SF	25.0	6-9	215.0	Wake Forest	8042895.0
330	Al Jefferson	Charlotte Hornets	25.0	C	31.0	6-10	289.0	NaN	13500000.0
312	Al Horford	Atlanta Hawks	15.0	C	30.0	6-10	245.0	Florida	12000000.0
404	Adreian Payne	Minnesota Timberwolves	33.0	PF	25.0	6-10	237.0	Michigan State	1938840.0
328	Aaron Harrison	Charlotte Hornets	9.0	SG	21.0	6-6	210.0	Kentucky	525093.0
356	Aaron Gordon	Orlando Magic	0.0	PF	20.0	6-9	220.0	Arizona	4171680.0
152	Aaron Brooks	Chicago Bulls	0.0	PG	31.0	6-0	161.0	Oregon	2250000.0
457	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

458 rows × 9 columns

```
In [5]: nba.sort_values(["Team", "Name"], ascending=[True, False]) # Team in asceding and Name will be descending order
```

Out[5]:

	Name	Team	Number	Position	Age	Height	Weight	College	Salary
322	Walter Tavares	Atlanta Hawks	22.0	C	24.0	7-3	260.0	NaN	1000000.0
310	Tim Hardaway Jr.	Atlanta Hawks	10.0	SG	24.0	6-6	205.0	Michigan	1304520.0
321	Tiago Splitter	Atlanta Hawks	11.0	C	31.0	6-11	245.0	NaN	9756250.0
320	Thabo Sefolosha	Atlanta Hawks	25.0	SF	32.0	6-7	220.0	NaN	4000000.0
315	Paul Millsap	Atlanta Hawks	4.0	PF	31.0	6-8	246.0	Louisiana Tech	18671659.0
319	Mike Scott	Atlanta Hawks	32.0	PF	27.0	6-8	237.0	Virginia	3333333.0
316	Mike Muscala	Atlanta Hawks	31.0	PF	24.0	6-11	240.0	Bucknell	947276.0
317	Lamar Patterson	Atlanta Hawks	13.0	SG	24.0	6-5	225.0	Pittsburgh	525093.0
314	Kyle Korver	Atlanta Hawks	26.0	SG	35.0	6-7	212.0	Creighton	5746479.0
313	Kris Humphries	Atlanta Hawks	43.0	PF	31.0	6-9	235.0	Minnesota	1000000.0
311	Kirk Hinrich	Atlanta Hawks	12.0	SG	35.0	6-4	190.0	Kansas	2854940.0
309	Kent Bazemore	Atlanta Hawks	24.0	SF	26.0	6-5	201.0	Old Dominion	2000000.0
323	Jeff Teague	Atlanta Hawks	0.0	PG	27.0	6-2	186.0	Wake Forest	8000000.0
318	Dennis Schroder	Atlanta Hawks	17.0	PG	22.0	6-1	172.0	NaN	1763400.0
312	Al Horford	Atlanta Hawks	15.0	C	30.0	6-10	245.0	Florida	12000000.0
14	Tyler Zeller	Boston Celtics	44.0	C	26.0	7-0	253.0	North Carolina	2616975.0
8	Terry Rozier	Boston Celtics	12.0	PG	22.0	6-2	190.0	Louisville	1824360.0
3	R.J. Hunter	Boston Celtics	28.0	SG	22.0	6-5	185.0	Georgia State	1148640.0
9	Marcus Smart	Boston Celtics	36.0	PG	22.0	6-4	220.0	Oklahoma State	3431040.0
7	Kelly Olynyk	Boston Celtics	41.0	C	25.0	7-0	238.0	Gonzaga	2165160.0
6	Jordan Mickey	Boston Celtics	55.0	PF	21.0	6-8	235.0	LSU	1170960.0
4	Jonas Jerebko	Boston Celtics	8.0	PF	29.0	6-10	231.0	NaN	5000000.0
2	John Holland	Boston Celtics	30.0	SG	27.0	6-5	205.0	Boston University	NaN
10	Jared Sullinger	Boston Celtics	7.0	C	24.0	6-9	260.0	Ohio State	2569260.0
13	James Young	Boston Celtics	13.0	SG	20.0	6-6	215.0	Kentucky	1749840.0
1	Jae Crowder	Boston Celtics	99.0	SF	25.0	6-6	235.0	Marquette	6796117.0
11	Isaiah Thomas	Boston Celtics	4.0	PG	27.0	5-9	185.0	Washington	6912869.0
12	Evan Turner	Boston Celtics	11.0	SG	27.0	6-7	220.0	Ohio State	3425510.0
0	Avery Bradley	Boston Celtics	0.0	PG	25.0	6-2	180.0	Texas	7730337.0
5	Amir Johnson	Boston Celtics	90.0	PF	29.0	6-9	240.0	NaN	12000000.0
...
443	Trey Burke	Utah Jazz	3.0	PG	23.0	6-1	191.0	Michigan	2658240.0
442	Trevor Booker	Utah Jazz	33.0	PF	28.0	6-8	228.0	Clemson	4775000.0
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453	Shelvin Mack	Utah Jazz	8.0	PG	26.0	6-3	203.0	Butler	2433333.0
447	Rudy Gobert	Utah Jazz	27.0	C	23.0	7-1	245.0	NaN	1175880.0
449	Rodney Hood	Utah Jazz	5.0	SG	23.0	6-8	206.0	Duke	1348440.0
454	Raul Neto	Utah Jazz	25.0	PG	24.0	6-1	179.0	NaN	900000.0
450	Joe Ingles	Utah Jazz	2.0	SF	28.0	6-8	226.0	NaN	2050000.0
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445	Dante Exum	Utah Jazz	11.0	PG	20.0	6-6	190.0	NaN	3777720.0
451	Chris Johnson	Utah Jazz	23.0	SF	26.0	6-6	206.0	Dayton	981348.0
444	Alec Burks	Utah Jazz	10.0	SG	24.0	6-6	214.0	Colorado	9463484.0
379	Ramon Sessions	Washington Wizards	7.0	PG	30.0	6-3	190.0	Nevada	2170465.0
378	Otto Porter Jr.	Washington Wizards	22.0	SF	23.0	6-8	198.0	Georgetown	4662960.0
375	Nene Hilario	Washington Wizards	42.0	C	33.0	6-11	250.0	NaN	13000000.0
376	Markieff Morris	Washington Wizards	5.0	PF	26.0	6-10	245.0	Kansas	8000000.0
381	Marcus Thornton	Washington Wizards	15.0	SF	29.0	6-4	205.0	LSU	200600.0
373	Marcin Gortat	Washington Wizards	13.0	C	32.0	6-11	240.0	NaN	11217391.0
377	Kelly Oubre Jr.	Washington Wizards	12.0	SF	20.0	6-7	205.0	Kansas	1920240.0
382	John Wall	Washington Wizards	2.0	PG	25.0	6-4	195.0	Kentucky	15851950.0
371	Jarell Eddie	Washington Wizards	8.0	SG	24.0	6-7	218.0	Virginia Tech	561716.0
370	Jared Dudley	Washington Wizards	1.0	SF	30.0	6-7	225.0	Boston College	4375000.0
374	JJ Hickson	Washington Wizards	21.0	C	27.0	6-9	242.0	North Carolina State	273038.0
380	Garrett Temple	Washington Wizards	17.0	SG	30.0	6-6	195.0	LSU	1100602.0
372	Drew Gooden	Washington Wizards	90.0	PF	34.0	6-10	250.0	Kansas	3300000.0
369	Bradley Beal	Washington Wizards	3.0	SG	22.0	6-5	207.0	Florida	5694674.0
368	Alan Anderson	Washington Wizards	6.0	SG	33.0	6-6	220.0	Michigan State	4000000.0
457	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

458 rows × 9 columns

```
In [7]: nba.sort_values(["Team", "Name"], ascending=[True, False], inplace=True) # Team in asceding and Name will be descending order
nba.head()
```

Out[7]:

	Name	Team	Number	Position	Age	Height	Weight	College	Salary
322	Walter Tavares	Atlanta Hawks	22.0	C	24.0	7-3	260.0	NaN	1000000.0
310	Tim Hardaway Jr.	Atlanta Hawks	10.0	SG	24.0	6-6	205.0	Michigan	1304520.0
321	Tiago Splitter	Atlanta Hawks	11.0	C	31.0	6-11	245.0	NaN	9756250.0
320	Thabo Sefolosha	Atlanta Hawks	25.0	SF	32.0	6-7	220.0	NaN	4000000.0
315	Paul Millsap	Atlanta Hawks	4.0	PF	31.0	6-8	246.0	Louisiana Tech	18671659.0