```python
In [1]: import pandas as pd
```

```python
In [2]: nba = pd.read_csv("nba.csv")
        nba.head()
```

Out[2]:

	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

```python
In [3]: nba.tail()
```

Out[3]:

	Name	Team	Number	Position	Age	Height	Weight	College	Salary
453	Shelvin Mack	Utah Jazz	8.0	PG	26.0	6-3	203.0	Butler	2433333.0
454	Raul Neto	Utah Jazz	25.0	PG	24.0	6-1	179.0	NaN	900000.0
455	Tibor Pleiss	Utah Jazz	21.0	C	26.0	7-3	256.0	NaN	2900000.0
456	Jeff Withey	Utah Jazz	24.0	C	26.0	7-0	231.0	Kansas	947276.0
457	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

```python
In [4]: nba.dropna()
```

Out[4]:

	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
3	R.J. Hunter	Boston Celtics	28.0	SG	22.0	6-5	185.0	Georgia State	1148640.0
6	Jordan Mickey	Boston Celtics	55.0	PF	21.0	6-8	235.0	LSU	1170960.0
7	Kelly Olynyk	Boston Celtics	41.0	C	25.0	7-0	238.0	Gonzaga	2165160.0
8	Terry Rozier	Boston Celtics	12.0	PG	22.0	6-2	190.0	Louisville	1824360.0
9	Marcus Smart	Boston Celtics	36.0	PG	22.0	6-4	220.0	Oklahoma State	3431040.0
10	Jared Sullinger	Boston Celtics	7.0	C	24.0	6-9	260.0	Ohio State	2569260.0
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
13	James Young	Boston Celtics	13.0	SG	20.0	6-6	215.0	Kentucky	1749840.0
14	Tyler Zeller	Boston Celtics	44.0	C	26.0	7-0	253.0	North Carolina	2616975.0
16	Markel Brown	Brooklyn Nets	22.0	SG	24.0	6-3	190.0	Oklahoma State	845059.0
17	Wayne Ellington	Brooklyn Nets	21.0	SG	28.0	6-4	200.0	North Carolina	1500000.0
18	Rondae Hollis-Jefferson	Brooklyn Nets	24.0	SG	21.0	6-7	220.0	Arizona	1335480.0
19	Jarrett Jack	Brooklyn Nets	2.0	PG	32.0	6-3	200.0	Georgia Tech	6300000.0
21	Sean Kilpatrick	Brooklyn Nets	6.0	SG	26.0	6-4	219.0	Cincinnati	134215.0
22	Shane Larkin	Brooklyn Nets	0.0	PG	23.0	5-11	175.0	Miami (FL)	1500000.0
23	Brook Lopez	Brooklyn Nets	11.0	C	28.0	7-0	275.0	Stanford	19689000.0
24	Chris McCullough	Brooklyn Nets	1.0	PF	21.0	6-11	200.0	Syracuse	1140240.0
25	Willie Reed	Brooklyn Nets	33.0	PF	26.0	6-10	220.0	Saint Louis	947276.0
26	Thomas Robinson	Brooklyn Nets	41.0	PF	25.0	6-10	237.0	Kansas	981348.0
27	Henry Sims	Brooklyn Nets	14.0	C	26.0	6-10	248.0	Georgetown	947276.0
28	Donald Sloan	Brooklyn Nets	15.0	PG	28.0	6-3	205.0	Texas A&M	947276.0
29	Thaddeus Young	Brooklyn Nets	30.0	PF	27.0	6-8	221.0	Georgia Tech	11235955.0
30	Arron Afflalo	New York Knicks	4.0	SG	30.0	6-5	210.0	UCLA	8000000.0
31	Lou Amundson	New York Knicks	17.0	PF	33.0	6-9	220.0	UNLV	1635476.0
33	Carmelo Anthony	New York Knicks	7.0	SF	32.0	6-8	240.0	Syracuse	22875000.0
35	Cleanthony Early	New York Knicks	11.0	SF	25.0	6-8	210.0	Wichita State	845059.0
36	Langston Galloway	New York Knicks	2.0	SG	24.0	6-2	200.0	Saint Joseph's	845059.0
...	...	...	...	...	...	...	...	...	...
422	Cameron Payne	Oklahoma City Thunder	22.0	PG	21.0	6-3	185.0	Murray State	2021520.0
423	Andre Roberson	Oklahoma City Thunder	21.0	SG	24.0	6-7	210.0	Colorado	1210800.0
424	Kyle Singler	Oklahoma City Thunder	5.0	SF	28.0	6-8	228.0	Duke	4500000.0
425	Dion Waiters	Oklahoma City Thunder	3.0	SG	24.0	6-4	220.0	Syracuse	5138430.0
426	Russell Westbrook	Oklahoma City Thunder	0.0	PG	27.0	6-3	200.0	UCLA	16744218.0
427	Cliff Alexander	Portland Trail Blazers	34.0	PF	20.0	6-8	240.0	Kansas	525093.0
428	Al-Farouq Aminu	Portland Trail Blazers	8.0	SF	25.0	6-9	215.0	Wake Forest	8042895.0
429	Pat Connaughton	Portland Trail Blazers	5.0	SG	23.0	6-5	206.0	Notre Dame	625093.0
430	Allen Crabbe	Portland Trail Blazers	23.0	SG	24.0	6-6	210.0	California	947276.0
431	Ed Davis	Portland Trail Blazers	17.0	C	27.0	6-10	240.0	North Carolina	6980802.0
432	Maurice Harkless	Portland Trail Blazers	4.0	SF	23.0	6-9	215.0	St. John's	2894059.0
433	Gerald Henderson	Portland Trail Blazers	9.0	SG	28.0	6-5	215.0	Duke	6000000.0
434	Chris Kaman	Portland Trail Blazers	35.0	C	34.0	7-0	265.0	Central Michigan	5016000.0
435	Meyers Leonard	Portland Trail Blazers	11.0	PF	24.0	7-1	245.0	Illinois	3075880.0
436	Damian Lillard	Portland Trail Blazers	0.0	PG	25.0	6-3	195.0	Weber State	4236287.0
437	C.J. McCollum	Portland Trail Blazers	3.0	SG	24.0	6-4	200.0	Lehigh	2525160.0
438	Luis Montero	Portland Trail Blazers	44.0	SG	23.0	6-7	185.0	Westchester CC	525093.0
439	Mason Plumlee	Portland Trail Blazers	24.0	C	26.0	6-11	235.0	Duke	1415520.0
440	Brian Roberts	Portland Trail Blazers	2.0	PG	30.0	6-1	173.0	Dayton	2854940.0
441	Noah Vonleh	Portland Trail Blazers	21.0	PF	20.0	6-9	240.0	Indiana	2637720.0
442	Trevor Booker	Utah Jazz	33.0	PF	28.0	6-8	228.0	Clemson	4775000.0
443	Trey Burke	Utah Jazz	3.0	PG	23.0	6-1	191.0	Michigan	2658240.0
444	Alec Burks	Utah Jazz	10.0	SG	24.0	6-6	214.0	Colorado	9463484.0
446	Derrick Favors	Utah Jazz	15.0	PF	24.0	6-10	265.0	Georgia Tech	12000000.0
448	Gordon Hayward	Utah Jazz	20.0	SF	26.0	6-8	226.0	Butler	15409570.0
449	Rodney Hood	Utah Jazz	5.0	SG	23.0	6-8	206.0	Duke	1348440.0
451	Chris Johnson	Utah Jazz	23.0	SF	26.0	6-6	206.0	Dayton	981348.0
452	Trey Lyles	Utah Jazz	41.0	PF	20.0	6-10	234.0	Kentucky	2239800.0
453	Shelvin Mack	Utah Jazz	8.0	PG	26.0	6-3	203.0	Butler	2433333.0
456	Jeff Withey	Utah Jazz	24.0	C	26.0	7-0	231.0	Kansas	947276.0

364 rows × 9 columns

```
In [6]: nba.dropna(how = "any").head()
```

Out[6]:

	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
3	R.J. Hunter	Boston Celtics	28.0	SG	22.0	6-5	185.0	Georgia State	1148640.0
6	Jordan Mickey	Boston Celtics	55.0	PF	21.0	6-8	235.0	LSU	1170960.0
7	Kelly Olynyk	Boston Celtics	41.0	C	25.0	7-0	238.0	Gonzaga	2165160.0

```
In [7]: nba.dropna(how = "all").tail() #all rows content NAN Exist
```

Out[7]:

	Name	Team	Number	Position	Age	Height	Weight	College	Salary
452	Trey Lyles	Utah Jazz	41.0	PF	20.0	6-10	234.0	Kentucky	2239800.0
453	Shelvin Mack	Utah Jazz	8.0	PG	26.0	6-3	203.0	Butler	2433333.0
454	Raul Neto	Utah Jazz	25.0	PG	24.0	6-1	179.0	NaN	900000.0
455	Tibor Pleiss	Utah Jazz	21.0	C	26.0	7-3	256.0	NaN	2900000.0
456	Jeff Withey	Utah Jazz	24.0	C	26.0	7-0	231.0	Kansas	947276.0

```
In [14]: nba.dropna(how = "all", inplace= True )
         nba.head()
```

Out[14]:

	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 [15]: nba.tail()
```

Out[15]:

	Name	Team	Number	Position	Age	Height	Weight	College	Salary
452	Trey Lyles	Utah Jazz	41.0	PF	20.0	6-10	234.0	Kentucky	2239800.0
453	Shelvin Mack	Utah Jazz	8.0	PG	26.0	6-3	203.0	Butler	2433333.0
454	Raul Neto	Utah Jazz	25.0	PG	24.0	6-1	179.0	NaN	900000.0
455	Tibor Pleiss	Utah Jazz	21.0	C	26.0	7-3	256.0	NaN	2900000.0
456	Jeff Withey	Utah Jazz	24.0	C	26.0	7-0	231.0	Kansas	947276.0

```
In [17]: nba.dropna(axis=1).head()
```

Out[17]:

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

```
In [19]: nba.dropna(subset=["Salary"]) # specific columns NAN balue will be drop
```

Out[19]:

	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
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
5	Amir Johnson	Boston Celtics	90.0	PF	29.0	6-9	240.0	NaN	12000000.0
6	Jordan Mickey	Boston Celtics	55.0	PF	21.0	6-8	235.0	LSU	1170960.0
7	Kelly Olynyk	Boston Celtics	41.0	C	25.0	7-0	238.0	Gonzaga	2165160.0
8	Terry Rozier	Boston Celtics	12.0	PG	22.0	6-2	190.0	Louisville	1824360.0
9	Marcus Smart	Boston Celtics	36.0	PG	22.0	6-4	220.0	Oklahoma State	3431040.0
10	Jared Sullinger	Boston Celtics	7.0	C	24.0	6-9	260.0	Ohio State	2569260.0
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
13	James Young	Boston Celtics	13.0	SG	20.0	6-6	215.0	Kentucky	1749840.0
14	Tyler Zeller	Boston Celtics	44.0	C	26.0	7-0	253.0	North Carolina	2616975.0
15	Bojan Bogdanovic	Brooklyn Nets	44.0	SG	27.0	6-8	216.0	NaN	3425510.0
16	Markel Brown	Brooklyn Nets	22.0	SG	24.0	6-3	190.0	Oklahoma State	845059.0
17	Wayne Ellington	Brooklyn Nets	21.0	SG	28.0	6-4	200.0	North Carolina	1500000.0
18	Rondae Hollis-Jefferson	Brooklyn Nets	24.0	SG	21.0	6-7	220.0	Arizona	1335480.0
19	Jarrett Jack	Brooklyn Nets	2.0	PG	32.0	6-3	200.0	Georgia Tech	6300000.0
20	Sergey Karasev	Brooklyn Nets	10.0	SG	22.0	6-7	208.0	NaN	1599840.0
21	Sean Kilpatrick	Brooklyn Nets	6.0	SG	26.0	6-4	219.0	Cincinnati	134215.0
22	Shane Larkin	Brooklyn Nets	0.0	PG	23.0	5-11	175.0	Miami (FL)	1500000.0
23	Brook Lopez	Brooklyn Nets	11.0	C	28.0	7-0	275.0	Stanford	19689000.0
24	Chris McCullough	Brooklyn Nets	1.0	PF	21.0	6-11	200.0	Syracuse	1140240.0
25	Willie Reed	Brooklyn Nets	33.0	PF	26.0	6-10	220.0	Saint Louis	947276.0
26	Thomas Robinson	Brooklyn Nets	41.0	PF	25.0	6-10	237.0	Kansas	981348.0
27	Henry Sims	Brooklyn Nets	14.0	C	26.0	6-10	248.0	Georgetown	947276.0
28	Donald Sloan	Brooklyn Nets	15.0	PG	28.0	6-3	205.0	Texas A&M	947276.0
29	Thaddeus Young	Brooklyn Nets	30.0	PF	27.0	6-8	221.0	Georgia Tech	11235955.0
30	Arron Afflalo	New York Knicks	4.0	SG	30.0	6-5	210.0	UCLA	8000000.0
...	...	...	...	...	...	...	...	...	...
427	Cliff Alexander	Portland Trail Blazers	34.0	PF	20.0	6-8	240.0	Kansas	525093.0
428	Al-Farouq Aminu	Portland Trail Blazers	8.0	SF	25.0	6-9	215.0	Wake Forest	8042895.0
429	Pat Connaughton	Portland Trail Blazers	5.0	SG	23.0	6-5	206.0	Notre Dame	625093.0
430	Allen Crabbe	Portland Trail Blazers	23.0	SG	24.0	6-6	210.0	California	947276.0
431	Ed Davis	Portland Trail Blazers	17.0	C	27.0	6-10	240.0	North Carolina	6980802.0
432	Maurice Harkless	Portland Trail Blazers	4.0	SF	23.0	6-9	215.0	St. John's	2894059.0
433	Gerald Henderson	Portland Trail Blazers	9.0	SG	28.0	6-5	215.0	Duke	6000000.0
434	Chris Kaman	Portland Trail Blazers	35.0	C	34.0	7-0	265.0	Central Michigan	5016000.0
435	Meyers Leonard	Portland Trail Blazers	11.0	PF	24.0	7-1	245.0	Illinois	3075880.0
436	Damian Lillard	Portland Trail Blazers	0.0	PG	25.0	6-3	195.0	Weber State	4236287.0
437	C.J. McCollum	Portland Trail Blazers	3.0	SG	24.0	6-4	200.0	Lehigh	2525160.0
438	Luis Montero	Portland Trail Blazers	44.0	SG	23.0	6-7	185.0	Westchester CC	525093.0
439	Mason Plumlee	Portland Trail Blazers	24.0	C	26.0	6-11	235.0	Duke	1415520.0
440	Brian Roberts	Portland Trail Blazers	2.0	PG	30.0	6-1	173.0	Dayton	2854940.0
441	Noah Vonleh	Portland Trail Blazers	21.0	PF	20.0	6-9	240.0	Indiana	2637720.0
442	Trevor Booker	Utah Jazz	33.0	PF	28.0	6-8	228.0	Clemson	4775000.0
443	Trey Burke	Utah Jazz	3.0	PG	23.0	6-1	191.0	Michigan	2658240.0
444	Alec Burks	Utah Jazz	10.0	SG	24.0	6-6	214.0	Colorado	9463484.0
445	Dante Exum	Utah Jazz	11.0	PG	20.0	6-6	190.0	NaN	3777720.0
446	Derrick Favors	Utah Jazz	15.0	PF	24.0	6-10	265.0	Georgia Tech	12000000.0
447	Rudy Gobert	Utah Jazz	27.0	C	23.0	7-1	245.0	NaN	1175880.0
448	Gordon Hayward	Utah Jazz	20.0	SF	26.0	6-8	226.0	Butler	15409570.0
449	Rodney Hood	Utah Jazz	5.0	SG	23.0	6-8	206.0	Duke	1348440.0
450	Joe Ingles	Utah Jazz	2.0	SF	28.0	6-8	226.0	NaN	2050000.0
451	Chris Johnson	Utah Jazz	23.0	SF	26.0	6-6	206.0	Dayton	981348.0
452	Trey Lyles	Utah Jazz	41.0	PF	20.0	6-10	234.0	Kentucky	2239800.0
453	Shelvin Mack	Utah Jazz	8.0	PG	26.0	6-3	203.0	Butler	2433333.0
454	Raul Neto	Utah Jazz	25.0	PG	24.0	6-1	179.0	NaN	900000.0
455	Tibor Pleiss	Utah Jazz	21.0	C	26.0	7-3	256.0	NaN	2900000.0
456	Jeff Withey	Utah Jazz	24.0	C	26.0	7-0	231.0	Kansas	947276.0

446 rows × 9 columns