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

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

```python
In [3]: nba
```

Out[3]:

	Name	Team	Position	Height	Weight	College	Salary
0	Saddiq Bey	Atlanta Hawks	F	6-7	215.0	Villanova	4556983.0
1	Bogdan Bogdanovic	Atlanta Hawks	G	6-5	225.0	Fenerbahce	18700000.0
2	Kobe Bufkin	Atlanta Hawks	G	6-5	195.0	Michigan	4094244.0
3	Clint Capela	Atlanta Hawks	C	6-10	256.0	Elan Chalon	20616000.0
4	Bruno Fernando	Atlanta Hawks	F-C	6-10	240.0	Maryland	2581522.0
...	...	...	...	...	...	...	...
587	Ryan Rollins	Washington Wizards	G	6-3	180.0	Toledo	1719864.0
588	Landry Shamet	Washington Wizards	G	6-4	190.0	Wichita State	10250000.0
589	Tristan Vukcevic	Washington Wizards	F	6-10	220.0	Real Madrid	NaN
590	Delon Wright	Washington Wizards	G	6-5	185.0	Utah	8195122.0
591	NaN	NaN	NaN	NaN	NaN	NaN	NaN

592 rows × 7 columns

```python
In [4]: DS=nba["Salary"]*2
```

```python
In [5]: DS
```

```
Out[5]:  0          9113966.0
         1         37400000.0
         2          8188488.0
         3         41232000.0
         4          5163044.0
                      ...
         587        3439728.0
         588       20500000.0
         589             NaN
         590       16390244.0
         591             NaN
         Name: Salary, Length: 592, dtype: float64
```

In [6]: `nba`

Out[6]:

	Name	Team	Position	Height	Weight	College	Salary
0	Saddiq Bey	Atlanta Hawks	F	6-7	215.0	Villanova	4556983.0
1	Bogdan Bogdanovic	Atlanta Hawks	G	6-5	225.0	Fenerbahce	18700000.0
2	Kobe Bufkin	Atlanta Hawks	G	6-5	195.0	Michigan	4094244.0
3	Clint Capela	Atlanta Hawks	C	6-10	256.0	Elan Chalon	20616000.0
4	Bruno Fernando	Atlanta Hawks	F-C	6-10	240.0	Maryland	2581522.0
...	...	...	...	...	...	...	...
587	Ryan Rollins	Washington Wizards	G	6-3	180.0	Toledo	1719864.0
588	Landry Shamet	Washington Wizards	G	6-4	190.0	Wichita State	10250000.0
589	Tristan Vukcevic	Washington Wizards	F	6-10	220.0	Real Madrid	NaN
590	Delon Wright	Washington Wizards	G	6-5	185.0	Utah	8195122.0
591	NaN	NaN	NaN	NaN	NaN	NaN	NaN

592 rows × 7 columns

In [7]: `nba["Salary"]=nba["Salary"]`

In [8]: nba

Out[8]:

	Name	Team	Position	Height	Weight	College	Salary
0	Saddiq Bey	Atlanta Hawks	F	6-7	215.0	Villanova	4556983.0
1	Bogdan Bogdanovic	Atlanta Hawks	G	6-5	225.0	Fenerbahce	18700000.0
2	Kobe Bufkin	Atlanta Hawks	G	6-5	195.0	Michigan	4094244.0
3	Clint Capela	Atlanta Hawks	C	6-10	256.0	Elan Chalon	20616000.0
4	Bruno Fernando	Atlanta Hawks	F-C	6-10	240.0	Maryland	2581522.0
...	...	...	...	...	...	...	...
587	Ryan Rollins	Washington Wizards	G	6-3	180.0	Toledo	1719864.0
588	Landry Shamet	Washington Wizards	G	6-4	190.0	Wichita State	10250000.0
589	Tristan Vukcevic	Washington Wizards	F	6-10	220.0	Real Madrid	NaN
590	Delon Wright	Washington Wizards	G	6-5	185.0	Utah	8195122.0
591	NaN	NaN	NaN	NaN	NaN	NaN	NaN

592 rows × 7 columns

In [9]: nba["DS"]=DS

In [10]: nba

Out[10]:

	Name	Team	Position	Height	Weight	College	Salary	DS
0	Saddiq Bey	Atlanta Hawks	F	6-7	215.0	Villanova	4556983.0	9113966.0
1	Bogdan Bogdanovic	Atlanta Hawks	G	6-5	225.0	Fenerbahce	18700000.0	37400000.0
2	Kobe Bufkin	Atlanta Hawks	G	6-5	195.0	Michigan	4094244.0	8188488.0
3	Clint Capela	Atlanta Hawks	C	6-10	256.0	Elan Chalon	20616000.0	41232000.0
4	Bruno Fernando	Atlanta Hawks	F-C	6-10	240.0	Maryland	2581522.0	5163044.0
...	...	...	...	...	...	...	...	...
587	Ryan Rollins	Washington Wizards	G	6-3	180.0	Toledo	1719864.0	3439728.0
588	Landry Shamet	Washington Wizards	G	6-4	190.0	Wichita State	10250000.0	20500000.0
589	Tristan Vukcevic	Washington Wizards	F	6-10	220.0	Real Madrid	NaN	NaN
590	Delon Wright	Washington Wizards	G	6-5	185.0	Utah	8195122.0	16390244.0
591	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

592 rows × 8 columns

In [11]:
```python
nba.sort_values("Position",ascending=True)
```

Out[11]:

	Name	Team	Position	Height	Weight	College	Salary	DS
98	Damian Jones	Cleveland Cavaliers	C	6-11	245.0	Vanderbilt	2586665.0	5173330.0
92	Jarrett Allen	Cleveland Cavaliers	C	6-9	243.0	Texas	20000000.0	40000000.0
89	Nikola Vucevic	Chicago Bulls	C	6-10	260.0	Southern California	18518519.0	37037038.0
432	Mo Bamba	Philadelphia 76ers	C	7-0	231.0	Texas	2346614.0	4693228.0
435	Dewayne Dedmon	Philadelphia 76ers	C	6-10	245.0	Southern California	2748674.0	5497348.0
...	...	...	...	...	...	...	...	...
138	Armaan Franklin	Denver Nuggets	NaN	NaN	NaN	NaN	1119563.0	2239126.0
299	Caleb Daniels	Miami Heat	NaN	NaN	NaN	NaN	1119563.0	2239126.0
541	Kevin Obanor	Toronto Raptors	NaN	6-8	235.0	NaN	1119563.0	2239126.0
564	Nick Ongenda	Utah Jazz	NaN	NaN	NaN	NaN	1119563.0	2239126.0
591	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

592 rows × 8 columns

In [21]: nba

Out[21]:

	Name	Team	Position	Height	Weight	College	Salary	DS	hello
0	Saddiq Bey	Atlanta Hawks	F	6-7	215.0	Villanova	4556983.0	9113966.0	hi
1	Bogdan Bogdanovic	Atlanta Hawks	G	6-5	225.0	Fenerbahce	18700000.0	37400000.0	hi
2	Kobe Bufkin	Atlanta Hawks	G	6-5	195.0	Michigan	4094244.0	8188488.0	hi
3	Clint Capela	Atlanta Hawks	C	6-10	256.0	Elan Chalon	20616000.0	41232000.0	hi
4	Bruno Fernando	Atlanta Hawks	F-C	6-10	240.0	Maryland	2581522.0	5163044.0	hi
...	...	...	...	...	...	...	...	...	...
587	Ryan Rollins	Washington Wizards	G	6-3	180.0	Toledo	1719864.0	3439728.0	hi
588	Landry Shamet	Washington Wizards	G	6-4	190.0	Wichita State	10250000.0	20500000.0	hi
589	Tristan Vukcevic	Washington Wizards	F	6-10	220.0	Real Madrid	NaN	NaN	hi
590	Delon Wright	Washington Wizards	G	6-5	185.0	Utah	8195122.0	16390244.0	hi
591	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	hi

592 rows × 9 columns

In [22]:
```python
nba["sport"]="football"
```

In [23]:
```python
nba
```

Out[23]:

	Name	Team	Position	Height	Weight	College	Salary	DS	hello	sport
0	Saddiq Bey	Atlanta Hawks	F	6-7	215.0	Villanova	4556983.0	9113966.0	hi	football
1	Bogdan Bogdanovic	Atlanta Hawks	G	6-5	225.0	Fenerbahce	18700000.0	37400000.0	hi	football
2	Kobe Bufkin	Atlanta Hawks	G	6-5	195.0	Michigan	4094244.0	8188488.0	hi	football
3	Clint Capela	Atlanta Hawks	C	6-10	256.0	Elan Chalon	20616000.0	41232000.0	hi	football
4	Bruno Fernando	Atlanta Hawks	F-C	6-10	240.0	Maryland	2581522.0	5163044.0	hi	football
...	...	...	...	...	...	...	...	...	...	...
587	Ryan Rollins	Washington Wizards	G	6-3	180.0	Toledo	1719864.0	3439728.0	hi	football
588	Landry Shamet	Washington Wizards	G	6-4	190.0	Wichita State	10250000.0	20500000.0	hi	football
589	Tristan Vukcevic	Washington Wizards	F	6-10	220.0	Real Madrid	NaN	NaN	hi	football
590	Delon Wright	Washington Wizards	G	6-5	185.0	Utah	8195122.0	16390244.0	hi	football
591	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	hi	football

592 rows × 10 columns

In [37]:
```python
nba=pd.read_csv('/Users/teisya/Desktop/Python 2 Datasets/nba.csv',usecols=["Team","Position","Name"],index_col=["Na
```

In [39]:
```python
nba
```

Out[39]:

Name	Team	Position
Saddiq Bey	Atlanta Hawks	F
Bogdan Bogdanovic	Atlanta Hawks	G
Kobe Bufkin	Atlanta Hawks	G
Clint Capela	Atlanta Hawks	C
Bruno Fernando	Atlanta Hawks	F-C
...	...	...
Ryan Rollins	Washington Wizards	G
Landry Shamet	Washington Wizards	G
Tristan Vukcevic	Washington Wizards	F
Delon Wright	Washington Wizards	G
NaN	NaN	NaN

592 rows × 2 columns

In [43]:
```python
nba.sort_values("Team",ascending=True)
```

Out[43]:

Name	Team	Position
Saddiq Bey	Atlanta Hawks	F
Trae Young	Atlanta Hawks	G
Onyeka Okongwu	Atlanta Hawks	F-C
Miles Norris	Atlanta Hawks	NaN
Dejounte Murray	Atlanta Hawks	G
...	...	...
Deni Avdija	Washington Wizards	F
Tristan Vukcevic	Washington Wizards	F
Anthony Gill	Washington Wizards	F
Delon Wright	Washington Wizards	G
NaN	NaN	NaN

592 rows × 2 columns

In [44]: nba

Out[44]:

Name	Team	Position
Saddiq Bey	Atlanta Hawks	F
Bogdan Bogdanovic	Atlanta Hawks	G
Kobe Bufkin	Atlanta Hawks	G
Clint Capela	Atlanta Hawks	C
Bruno Fernando	Atlanta Hawks	F-C
...	...	...
Ryan Rollins	Washington Wizards	G
Landry Shamet	Washington Wizards	G
Tristan Vukcevic	Washington Wizards	F
Delon Wright	Washington Wizards	G
NaN	NaN	NaN

592 rows × 2 columns

In [45]:
```python
nba.sort_values(["Team","Position"],ascending=True)
```

Out[45]:

Name	Team	Position
Clint Capela	Atlanta Hawks	C
Saddiq Bey	Atlanta Hawks	F
AJ Griffin	Atlanta Hawks	F
Mouhamed Gueye	Atlanta Hawks	F
Jalen Johnson	Atlanta Hawks	F
...	...	...
Jordan Poole	Washington Wizards	G
Ryan Rollins	Washington Wizards	G
Landry Shamet	Washington Wizards	G
Delon Wright	Washington Wizards	G
NaN	NaN	NaN

592 rows × 2 columns

In [46]: nba

Out[46]:

Name	Team	Position
Saddiq Bey	Atlanta Hawks	F
Bogdan Bogdanovic	Atlanta Hawks	G
Kobe Bufkin	Atlanta Hawks	G
Clint Capela	Atlanta Hawks	C
Bruno Fernando	Atlanta Hawks	F-C
...	...	...
Ryan Rollins	Washington Wizards	G
Landry Shamet	Washington Wizards	G
Tristan Vukcevic	Washington Wizards	F
Delon Wright	Washington Wizards	G
NaN	NaN	NaN

592 rows × 2 columns

In [ ]: