```python
In [3]: import pandas as pd
        nba = pd.read_csv("nba.csv")
        nba.head()
```

Out[3]:

	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 [30]: nba["Name"] #data exist
         nba["Sport"] #error generate, data/columns not exist
```

```
Out[30]: 0      Basketball
         1      Basketball
         2      Basketball
         3      Basketball
         4      Basketball
         5      Basketball
         6      Basketball
         7      Basketball
         8      Basketball
         9      Basketball
         10     Basketball
         11     Basketball
         12     Basketball
         13     Basketball
         14     Basketball
         15     Basketball
         16     Basketball
         17     Basketball
         18     Basketball
         19     Basketball
         20     Basketball
         21     Basketball
         22     Basketball
         23     Basketball
         24     Basketball
         25     Basketball
         26     Basketball
         27     Basketball
         28     Basketball
         29     Basketball
                   ...
         428    Basketball
         429    Basketball
         430    Basketball
         431    Basketball
         432    Basketball
         433    Basketball
         434    Basketball
         435    Basketball
         436    Basketball
         437    Basketball
         438    Basketball
         439    Basketball
         440    Basketball
         441    Basketball
         442    Basketball
         443    Basketball
         444    Basketball
         445    Basketball
         446    Basketball
         447    Basketball
         448    Basketball
         449    Basketball
         450    Basketball
         451    Basketball
         452    Basketball
         453    Basketball
         454    Basketball
         455    Basketball
         456    Basketball
         457    Basketball
         Name: Sport, Length: 458, dtype: object
```

```python
In [7]: nba["Sport"] = "Basketball"
        nba.head()
```

Out[7]:

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

```python
In [9]: nba["Leage"] = "National Basket Ball Asoo"
        nba.head()
```

Out[9]:

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

```
In [27]: #in between columns insert the new columns
         nba1 = pd.read_csv("nba.csv")
         nba1.head()
```

Out[27]:

	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 [28]: nba1.insert(3,column="Sport",value="Basket Ball")
         nba1.head()
```

Out[28]:

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

```
In [29]: nba1.insert(4,column="League",value="PSL")
         nba1.head()
```

Out[29]:

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