

```
In [41]: import pandas as pd
import numpy as np
```

```
In [42]: nba=pd.read_csv('/Users/teisya/Desktop/Python 2 Datasets/nba.csv')
```

```
In [43]: nba
```

```
Out [43]:
```

	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 [44]: nba["Height"].str.split("-",expand=True) #it is not embedded in the original column
```

Out [44]:

	0	1
0	6	7
1	6	5
2	6	5
3	6	10
4	6	10
...
587	6	3
588	6	4
589	6	10
590	6	5
591	NaN	NaN

592 rows × 2 columns

```
In [45]: nba[["feet","inch"]]=nba["Height"].str.split("-",expand=True) #expand true helps embedded in the table
```

```
In [46]: nba[["feet","inch"]]
```

Out [46]:

	feet	inch
0	6	7
1	6	5
2	6	5
3	6	10
4	6	10
...
587	6	3
588	6	4
589	6	10
590	6	5
591	NaN	NaN

592 rows × 2 columns

In [47]:

```
nba
```

Out [47]:

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

592 rows × 9 columns

In [48]: `nba.info()`

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 592 entries, 0 to 591
Data columns (total 9 columns):
#   Column      Non-Null Count  Dtype
---  -
0   Name         591 non-null    object
1   Team         591 non-null    object
2   Position     584 non-null    object
3   Height       585 non-null    object
4   Weight       584 non-null    float64
5   College      578 non-null    object
6   Salary       488 non-null    float64
7   feet         585 non-null    object
8   inch         585 non-null    object
dtypes: float64(2), object(7)
memory usage: 41.8+ KB
```

```
In [49]: nba.feet=nba.feet.astype("float")
```

```
In [50]: nba[["feet","inch"]]=nba["Height"].str.split("-",expand=True)
```

```
In [51]: nba.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 592 entries, 0 to 591
Data columns (total 9 columns):
#   Column      Non-Null Count  Dtype
---  -
0   Name         591 non-null    object
1   Team         591 non-null    object
2   Position     584 non-null    object
3   Height       585 non-null    object
4   Weight       584 non-null    float64
5   College      578 non-null    object
6   Salary       488 non-null    float64
7   feet         585 non-null    object
8   inch         585 non-null    object
dtypes: float64(2), object(7)
memory usage: 41.8+ KB
```

```
In [52]: nba[["feet", "inch"]]=nba[["feet", "inch"]].apply(pd.to_numeric) #this changes both columns unlike astype
```

```
In [53]: nba.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 592 entries, 0 to 591
Data columns (total 9 columns):
#   Column      Non-Null Count  Dtype
---  -
0   Name        591 non-null    object
1   Team        591 non-null    object
2   Position    584 non-null    object
3   Height      585 non-null    object
4   Weight      584 non-null    float64
5   College     578 non-null    object
6   Salary      488 non-null    float64
7   feet        585 non-null    float64
8   inch        585 non-null    float64
dtypes: float64(4), object(5)
memory usage: 41.8+ KB
```

```
In [54]: nba["feet"]*30.48+nba["inch"]*2.54
```

```
Out[54]: 0      200.66
1      195.58
2      195.58
3      208.28
4      208.28
...
587    190.50
588    193.04
589    208.28
590    195.58
591         NaN
Length: 592, dtype: float64
```

```
In [55]: nba["Height_Combined_in_cm"]=nba["feet"]*30.48+nba["inch"]*2.54
```

```
In [56]: nba
```

Out [56]:

	Name	Team	Position	Height	Weight	College	Salary	feet	inch	Height_Combined_in_cm
0	Saddiq Bey	Atlanta Hawks	F	6-7	215.0	Villanova	4556983.0	6.0	7.0	200.66
1	Bogdan Bogdanovic	Atlanta Hawks	G	6-5	225.0	Fenerbahce	18700000.0	6.0	5.0	195.58
2	Kobe Bufkin	Atlanta Hawks	G	6-5	195.0	Michigan	4094244.0	6.0	5.0	195.58
3	Clint Capela	Atlanta Hawks	C	6-10	256.0	Elan Chalon	20616000.0	6.0	10.0	208.28
4	Bruno Fernando	Atlanta Hawks	F-C	6-10	240.0	Maryland	2581522.0	6.0	10.0	208.28
...
587	Ryan Rollins	Washington Wizards	G	6-3	180.0	Toledo	1719864.0	6.0	3.0	190.50
588	Landry Shamet	Washington Wizards	G	6-4	190.0	Wichita State	10250000.0	6.0	4.0	193.04
589	Tristan Vukcevic	Washington Wizards	F	6-10	220.0	Real Madrid	NaN	6.0	10.0	208.28
590	Delon Wright	Washington Wizards	G	6-5	185.0	Utah	8195122.0	6.0	5.0	195.58
591	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

592 rows x 10 columns

```
In [57]: nba.drop("Height_Combined_in_cm",axis=1,inplace=True) #hence height_combined_in_cm was deleted from the table
```

```
In [58]: nba
```

Out [58] :

	Name	Team	Position	Height	Weight	College	Salary	feet	inch
0	Saddiq Bey	Atlanta Hawks	F	6-7	215.0	Villanova	4556983.0	6.0	7.0
1	Bogdan Bogdanovic	Atlanta Hawks	G	6-5	225.0	Fenerbahce	18700000.0	6.0	5.0
2	Kobe Bufkin	Atlanta Hawks	G	6-5	195.0	Michigan	4094244.0	6.0	5.0
3	Clint Capela	Atlanta Hawks	C	6-10	256.0	Elan Chalon	20616000.0	6.0	10.0
4	Bruno Fernando	Atlanta Hawks	F-C	6-10	240.0	Maryland	2581522.0	6.0	10.0
...
587	Ryan Rollins	Washington Wizards	G	6-3	180.0	Toledo	1719864.0	6.0	3.0
588	Landry Shamet	Washington Wizards	G	6-4	190.0	Wichita State	10250000.0	6.0	4.0
589	Tristan Vukcevic	Washington Wizards	F	6-10	220.0	Real Madrid	NaN	6.0	10.0
590	Delon Wright	Washington Wizards	G	6-5	185.0	Utah	8195122.0	6.0	5.0
591	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

592 rows × 9 columns

In []: