Read-from-CSV

› AIM:

To write a program for reading the csv file content.

› ALGORITHM:

› Step 1:

Load the CSV into a DataFrame

› Step 2:

Print the number of contents to be displayed using df.head().

› Step 3:

The number of row returned is defined in pandas option settings.

› Step 4:

Check your systems maximun column with the pd.options.display.max_columun statement.

› Step 5:

Increase the maximum number of rows to display the entire DataFrame.

› PROGRAM:

```
DEVELOPED BY: Aakash P
REGISTER NO: 22005471

import pandas as pd
df = pd.read_csv('nba.csv')
print(df.head(10))
print(df.tail())
print("Column",len(df.axes[0]))
print("Row",len(df.axes[1]))
```

OUTPUT:

```python
import pandas as pd
df = pd.read_csv('nba.csv')
print(df.head(10))
print(df.tail())
print("Column",len(df.axes[0]))
print("Row",len(df.axes[1]))
```

```
            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
5   Amir Johnson  Boston Celtics    90.0       PF  29.0   6-9   240.0
6  Jordan Mickey  Boston Celtics    55.0       PF  21.0   6-8   235.0
7   Kelly Olynyk  Boston Celtics    41.0        C  25.0   7-0   238.0
8   Terry Rozier  Boston Celtics    12.0       PG  22.0   6-2   190.0
9   Marcus Smart  Boston Celtics    36.0       PG  22.0   6-4   220.0

              College      Salary
0               Texas   7730337.0
1           Marquette   6796117.0
2   Boston University         NaN
3       Georgia State   1148640.0
4                 NaN   5000000.0
5                 NaN  12000000.0
6                 LSU   1170960.0
7             Gonzaga   2165160.0
8          Louisville   1824360.0
9      Oklahoma State   3431040.0
              Name        Team  Number Position   Age Height  Weight College  \
453  Shelvin Mack   Utah Jazz     8.0       PG  26.0    6-3   203.0  Butler
454     Raul Neto   Utah Jazz    25.0       PG  24.0    6-1   179.0     NaN
455  Tibor Pleiss   Utah Jazz    21.0        C  26.0    7-3   256.0     NaN
456   Jeff Withey   Utah Jazz    24.0        C  26.0    7-0   231.0  Kansas
457           NaN         NaN     NaN      NaN   NaN    NaN     NaN     NaN

         Salary
453   2433333.0
454    900000.0
455   2900000.0
456    947276.0
457         NaN
Column 458
Row 9
```

RESULT:

Thus the program executed successfully for read csv file.