Read-from-CSV

AIM:

To write a python program for reading content from a CSV file.

ALGORITHM:

Step 1:

Import pandas as pd.

Step 2:

Read the csv file using pd.raed_csv()

Step 3:

Use head and tail method to get the required contents from the file.

Step 4:

Use len() method to get the number of rows and columns.

Step 5:

Print the output.

PROGRAM:

```
#To read the content from the csv file
# Developed by: POPURI SRAVANI
# Register Number: 23006561

import pandas as pd
df = pd.read_csv('cars.csv')
print(df.head(10))
print(df.tail())
print("Number of rows:",len(df.axes[0]))
print("Number of columns:",len(df.axes[1]))
```

OUTPUT:

```
[9] from google.colab import drive
    drive.mount('/content/drive')

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).

#To read the content from the csv file
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print(df.tail())
print("Number of rows:",len(df.axes[0]))
print("Number of columns:",len(df.axes[1]))

          Car       Model  Volume  Weight  CO2
0      Toyoty        Aygo    1000     790   99
1  Mitsubishi  Space Star    1200    1160   95
2       Skoda      Citigo    1000     929   95
3        Fiat         500     900     865   90
4        Mini      Cooper    1500    1140  105
5          VW         Up!    1000     929  105
6       Skoda       Fabia    1400    1109   90
7    Mercedes     A-Class    1500    1365   92
8        Ford      Fiesta    1500    1112   98
9        Audi          A1    1600    1150   99
         Car   Model  Volume  Weight  CO2
31     Volvo    XC70    2000    1746  117
32      Ford   B-Max    1600    1235  104
33       BMW     216    1600    1390  108
34      Opel  Zafira    1600    1405  109
35  Mercedes     SLK    2500    1395  120
Number of rows: 36
Number of columns: 5
```

RESULT:

Thus the program written to read the csv file and to print the no.of rows and no.of columns.