Gabriel, John Michael C.

2ECE-E
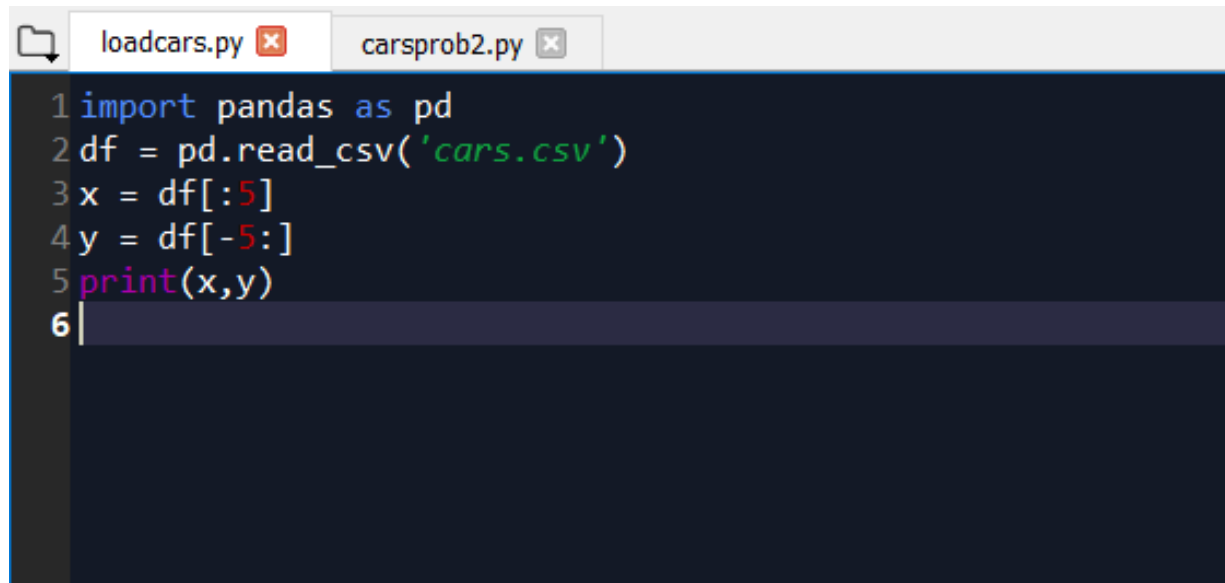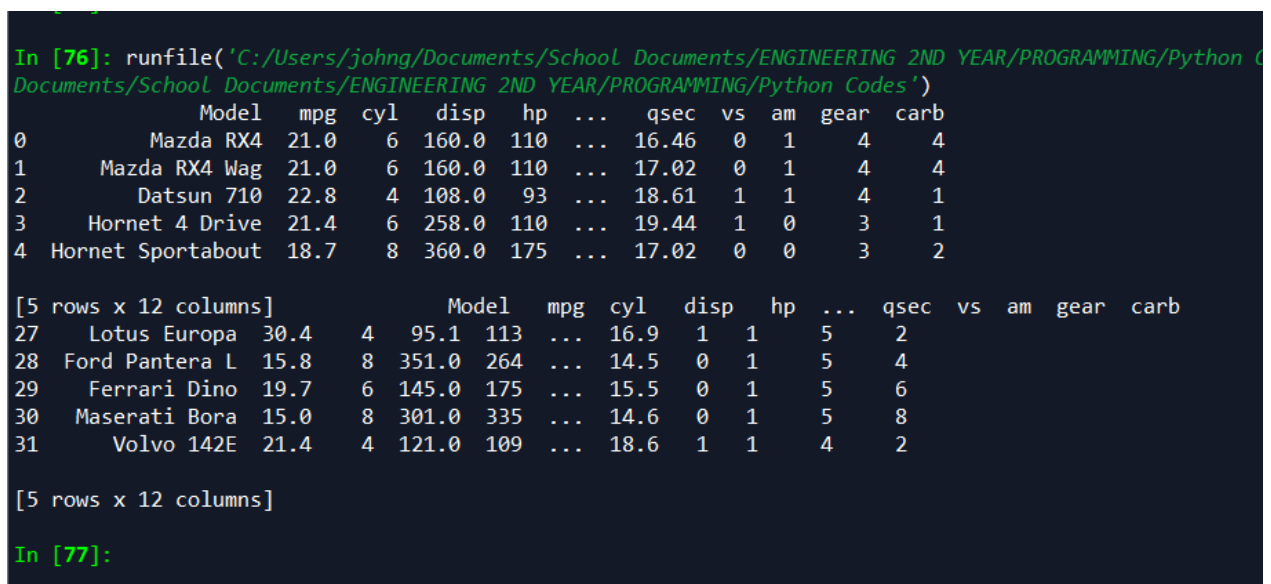
Screenshots of Codes

Problem 1: First five and last five rows

```python
import pandas as pd
df = pd.read_csv('cars.csv')
x = df[:5]
y = df[-5:]
print(x,y)
```

Editor Window

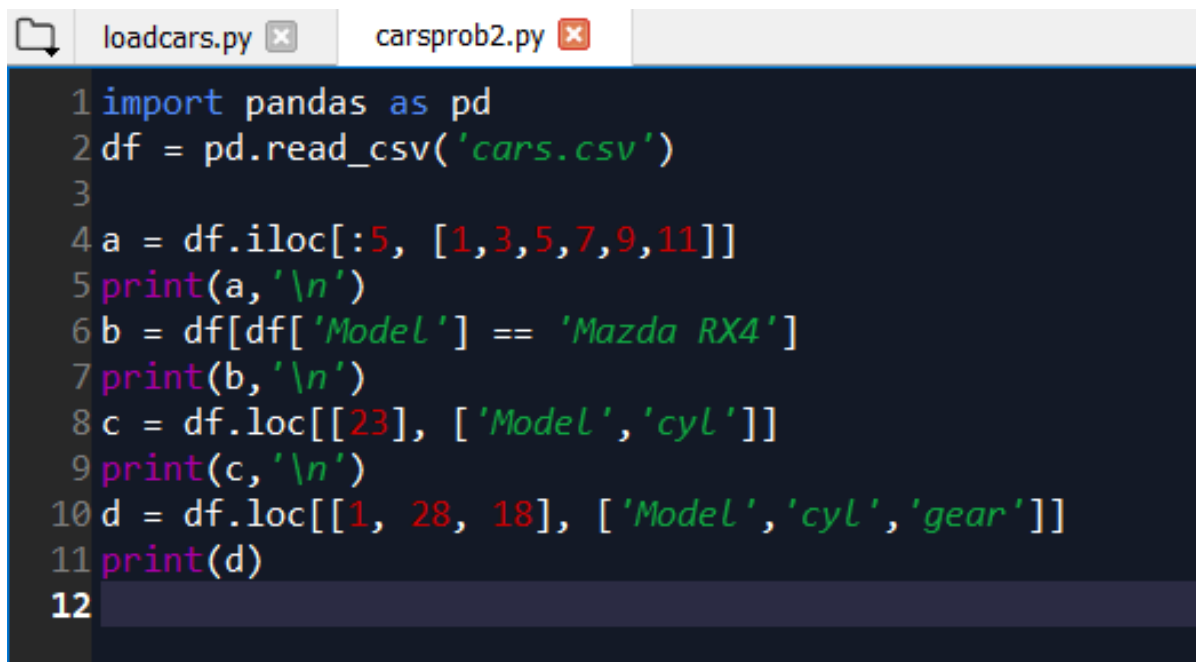```
In [76]: runfile('C:/Users/johng/Documents/School Documents/ENGINEERING 2ND YEAR/PROGRAMMING/Python (
Documents/School Documents/ENGINEERING 2ND YEAR/PROGRAMMING/Python Codes')
            Model   mpg cyl   disp   hp ... qsec vs am gear carb
0   Mazda RX4 21.0   6 160.0 110 ... 16.46   0   1   4   4
1   Mazda RX4 Wag 21.0   6 160.0 110 ... 17.02   0   1   4   4
2   Datsun 710 22.8   4 108.0   93 ... 18.61   1   1   4   1
3   Hornet 4 Drive 21.4   6 258.0 110 ... 19.44   1   0   3   1
4 Hornet Sportabout 18.7   8 360.0 175 ... 17.02   0   0   3   2

[5 rows x 12 columns]   Model   mpg cyl disp   hp ... qsec vs am gear carb
27   Lotus Europa 30.4   4   95.1 113 ... 16.9   1   1   5   2
28   Ford Pantera L 15.8   8 351.0 264 ... 14.5   0   1   5   4
29   Ferrari Dino 19.7   6 145.0 175 ... 15.5   0   1   5   6
30   Maserati Bora 15.0   8 301.0 335 ... 14.6   0   1   5   8
31   Volvo 142E 21.4   4 121.0 109 ... 18.6   1   1   4   2

[5 rows x 12 columns]

In [77]:
```
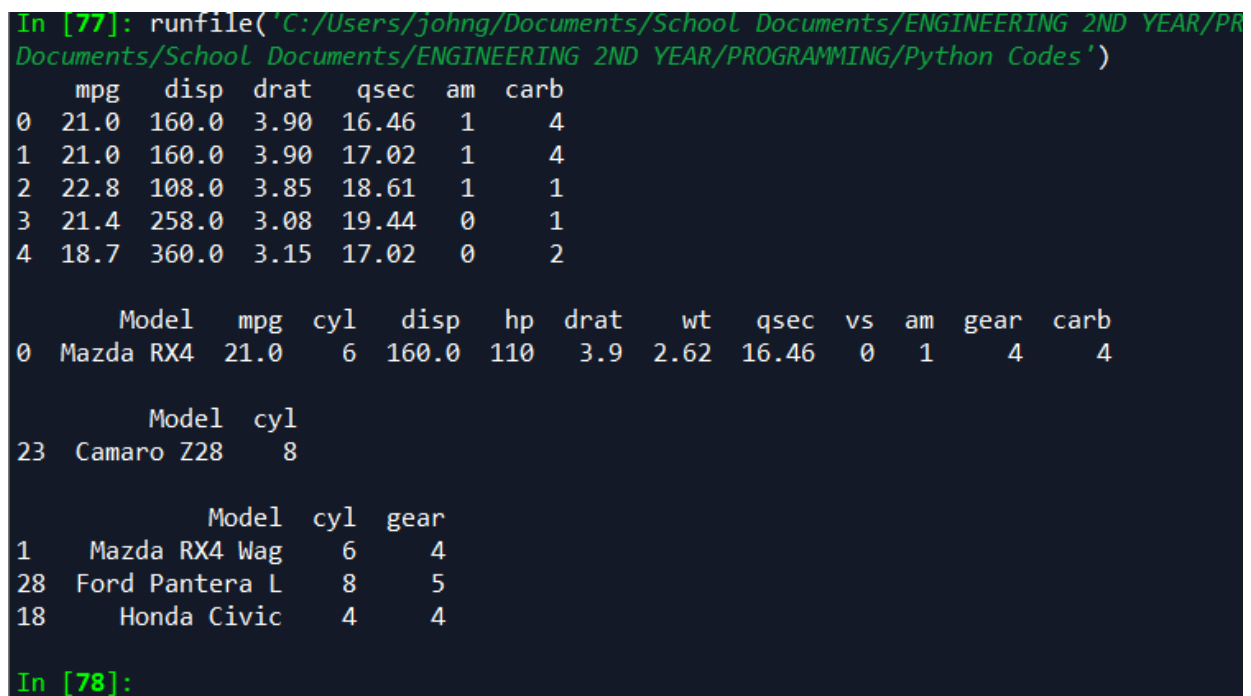
Python Console

Problem 2:

```python
import pandas as pd
df = pd.read_csv('cars.csv')

a = df.iloc[:5, [1,3,5,7,9,11]]
print(a,'\n')
b = df[df['Model'] == 'Mazda RX4']
print(b,'\n')
c = df.loc[[23], ['Model','cyl']]
print(c,'\n')
d = df.loc[[1, 28, 18], ['Model','cyl','gear']]
print(d)
```

Editor Window

```
In [77]: runfile('C:/Users/johng/Documents/School Documents/ENGINEERING 2ND YEAR/PR
Documents/School Documents/ENGINEERING 2ND YEAR/PROGRAMMING/Python Codes')
    mpg   disp  drat   qsec  am  carb
0  21.0  160.0  3.90  16.46   1     4
1  21.0  160.0  3.90  17.02   1     4
2  22.8  108.0  3.85  18.61   1     1
3  21.4  258.0  3.08  19.44   0     1
4  18.7  360.0  3.15  17.02   0     2

       Model   mpg  cyl   disp   hp  drat    wt   qsec  vs  am  gear  carb
0  Mazda RX4  21.0    6  160.0  110   3.9  2.62  16.46   0   1     4     4

        Model  cyl
23  Camaro Z28    8

             Model  cyl  gear
1      Mazda RX4 Wag    6     4
28   Ford Pantera L    8     5
18      Honda Civic    4     4

In [78]:
```

Python Console