a.

```
import pandas as pd
cars = pd.read_csv('cars.csv')
# Display summary statistics
print("1] Summary Statistics for cars dataset:\n")
print(cars.describe())
# Display structure information
print("\n2] Structure Information for cars dataset:\n")
print(cars.info())
# Use the quantile() method to get the quartile values for a specific column
print("\n3] Quartile Information for cars dataset:\n")
print(cars['mpg'].quantile([0.25, 0.5, 0.75]))
```

OUTPUT :

```
PS C:\Users\dewan\OneDrive\Desktop\Python\PS-2_practicals> python -u "c:\Users\dewan\OneDrive\Desktop\Python\PS-2_practicals\p1_cars.py"
1] Summary Statistics for cars dataset:

             mpg        cyl        disp          hp       drat         wt       qsec         vs         am       gear     carb
count  32.000000  32.000000   32.000000   32.000000  32.000000  32.000000  32.000000  32.000000  32.000000  32.000000  32.0000
mean   20.090625   6.187500  230.721875  146.687500   3.596563   3.217250  17.848750   0.437500   0.406250   3.687500   2.8125
std     6.026948   1.785922  123.938694   68.562868   0.534679   0.978457   1.786943   0.504016   0.498991   0.737804   1.6152
min    10.400000   4.000000   71.100000   52.000000   2.760000   1.513000  14.500000   0.000000   0.000000   3.000000   1.0000
25%    15.425000   4.000000  120.825000   96.500000   3.080000   2.581250  16.892500   0.000000   0.000000   3.000000   2.0000
50%    19.200000   6.000000  196.300000  123.000000   3.695000   3.325000  17.710000   0.000000   0.000000   4.000000   2.0000
75%    22.800000   8.000000  326.000000  180.000000   3.920000   3.610000  18.900000   1.000000   1.000000   4.000000   4.0000
max    33.900000   8.000000  472.000000  335.000000   4.930000   5.424000  22.900000   1.000000   1.000000   5.000000   8.0000

2] Structure Information for cars dataset:

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 32 entries, 0 to 31
Data columns (total 12 columns):
 #   Column      Non-Null Count  Dtype
---  ------      --------------  -----
 0   Unnamed: 0  32 non-null     object
 1   mpg         32 non-null     float64
 2   cyl         32 non-null     int64
 3   disp        32 non-null     float64
 4   hp          32 non-null     int64
 5   drat        32 non-null     float64
 6   wt          32 non-null     float64
 7   qsec        32 non-null     float64
 8   vs          32 non-null     int64
 9   am          32 non-null     int64
 10  gear        32 non-null     int64
 11  carb        32 non-null     int64
dtypes: float64(5), int64(6), object(1)
memory usage: 3.1+ KB
None

3] Quartile Information for cars dataset:

0.25    15.425
0.50    19.200
0.75    22.800
Name: mpg, dtype: float64
```