```
#user defined function
> summaryfunction<-function(x){</pre>
     summary(x)
> apply(mtcars, 2,summaryfunction)
                 mpg
                          cyl
                                     disp
                                                   hp
                                                            drat
                                                                         wt
                                                                                   gsec
                                                                                                         am
                                            52.0000 2.760000 1.51300 14.50000 0.0000 0.00000 3.0000 96.5000 3.080000 2.58125 16.89250 0.0000 0.00000 3.0000
           10.40000 4.0000
                                 71.1000
1st Qu. 15.42500 4.0000 120.8250
Median 19.20000 6.0000 196.3000 123.0000 3.695000 3.32500 17.71000 0.0000 0.00000 4.0000
Mean 20.09062 6.1875 230.7219 146.6875 3.596563 3.21725 17.84875 0.4375 0.40625 3.6875 3rd Qu. 22.80000 8.0000 326.0000 180.0000 3.920000 3.61000 18.90000 1.0000 1.00000 4.00000 Max. 33.90000 8.0000 472.0000 335.0000 4.930000 5.42400 22.90000 1.0000 1.00000 5.00000
           1,0000
Min.
1st Qu. 2.0000
Median 2.0000
           2.8125
Mean
3rd Qu. 4.0000
          8.0000
Max.
> #extracting names of the mtcars dataset.
> colnames(mtcars)
[1] "mpg" "cyl"
                         "disp" "hp"
                                           "drat" "wt"
                                                              "qsec" "vs" "am"
                                                                                          "gear" "carb"
> rownames (mtcars)
[1] "Mazda RX4"
[4] "Hornet 4 Dri
                                                                 "Datsun 710"
"Valiant"
                                    "Mazda RX4 Wag"
      "Hornet 4 Drive"
                                    "Hornet Sportabout"
 [7]
      "Duster 360"
                                                                 "Merc 230"
                                    "Merc 240D"
      "Merc 280"
                                   "Merc 280C"
                                                                 "Merc 450SE"
ΓĪ0Ī
      "Merc 450SL"
                                                                 "Cadillac Fleetwood"
 [13]
                                    "Merc 450SLC"
                                                                 "Fiat 128"
      "Lincoln Continental" "Chrysler Imperial"
 [16]
 [19]
      "Honda Civic"
                                   "Toyota Corolla'
                                                                 "Toyota Corona"
                                   "AMC Javelin
                                                                 "Camaro Z28"
 [22]
      "Dodge Challenger"
                                   "Fiat X1-9"
      "Pontiac Firebird"
                                                                 "Porsche 914-2"
 [25]
      "Lotus Europa'
                                    "Ford Pantera L"
                                                                 "Ferrari Dino"
 281
[31] "Maserati Bora"
                                    "Volvo 142E"
```

gear

Sensitivity: Internal & Restricted