

# **ACADGILD**

## SESSION 3: FOUNDATIONAL R PROGRAMMING

Assignment 4

#### **Problem Statement**

A. Implement user defined functions within apply function using the mtcars data set and produce column wise summary statistics using apply function and mtcars dataset.

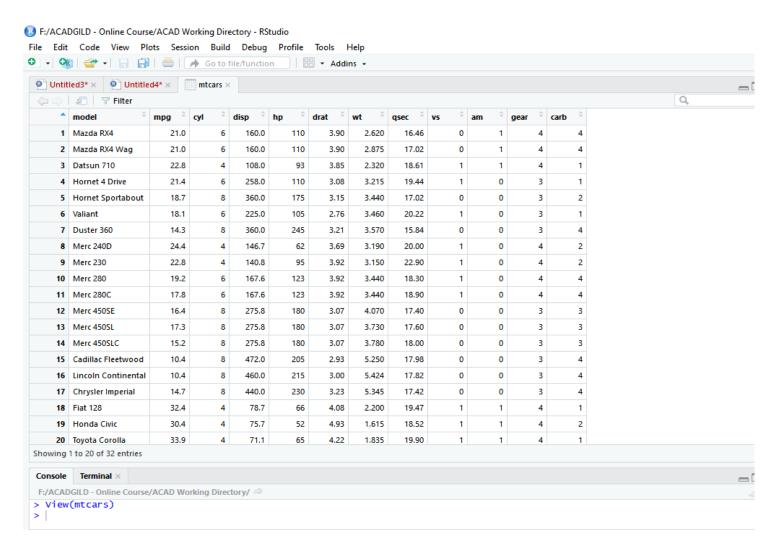
#### **Solution:**

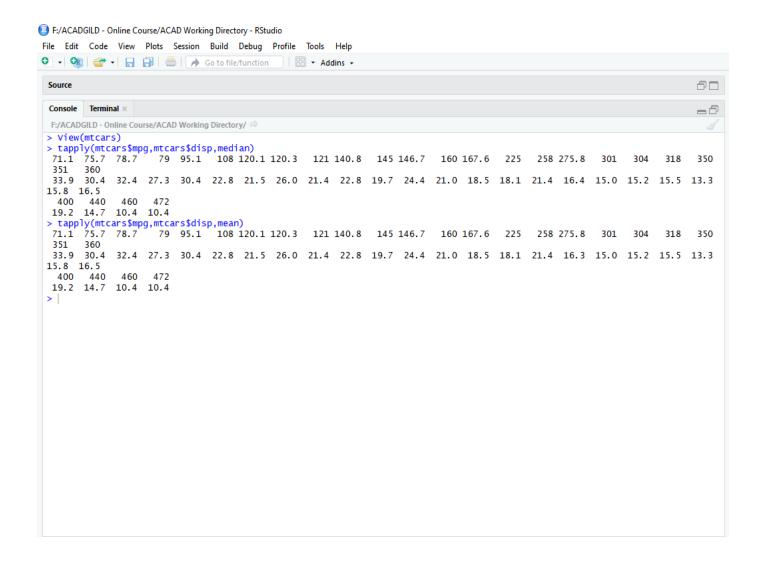
View(mtcars)

tapply(mtcars\$mpg,mtcars\$disp,median) # finding the median of the data

tapply(mtcars\$mpg,mtcars\$disp,mean) # finding the mean of the data

## The R-Script Output is been shown below:





B. write a program to extract the names of the list.

#### **Solution:**

n=list(mtcars\$mpg,mtcars\$cyl,mtcars\$disp,mtcars\$hp)

n

colnames(mtcars)

## The R- Script Output is been shown below: