1.Rank the cars in terms :

•hp

•wt

•disp

•drat

•mpg

Ans-

library(dplyr)

mtcar<-mtcars

mtcar<-mtcar %>%

select(hp,wt,disp,drat,mpg)%>% mutate(rank\_hp=rank(hp),rank\_wt=rank(wt),rank\_disp=rank(disp),rank\_drat=rank(drat),rank\_mpg=rank(mpg),na.last=TRUE,ties.method="first")

2.Rank the gear’s in terms of average mpg

Ans-

library(dplyr)

rankgear<-mtcars%>%

select(mpg,gear)%>%

mutate(avgmpg=mean(mpg),rank\_gear=rank(gear),na.last=TRUE,ties.method="first")

3.Identify gear wise top 3 cars in terms of :

•hp

•wt

•disp

•drat

•mpg

require(data.table)

topthree<-mtcars[,c("hp","wt","disp","drat","mpg",key="gear")]

d[,head(.SD, 3), by=gear]