1. Read mtcars data set into a new variable MC and perform the following operations and print the corresponding output individually

a) Print MC
b) Sort the dataset with respect to mpg column
c) Sort the dataset with respect to cyl column in descending order
d) Identify the duplicates on hp column
e) Remove the duplicates on gear and carb columns collectively
f) Find the mean on mpg column
g) Find the mode on drat column
h) Add a new column Price to the MC
i) Print unique values on vs column
j) Remove duplicates on am column
k) Find the variance, standard deviation, mean on columns disp, qsec, wt
l) Find the duplicates on disp
m) Print the unique values on dips
n) Remove duplicates on disp
o) Print the unique values on cyl and mpg

2. Create a new dataset mtcars2 with 5 rows and merge with MC

Perform all Join operations and print the outputs individually

a) Inner join
b) Left outer join
c) Right outer join
d) Full outer join