1. Write a program to create barplots for all the categorical columns in mtcars.

# the cylinder variable in the mtcars dataset is made up of values of 4, 6 & 8

mtcars$cyl

## [1] 6 6 4 6 8 6 8 4 4 6 6 8 8 8 8 8 8 4 4 4 4 8 8 8 8 4 4 4 8 6 8 4

# get the count of 4, 6 & 8 cylinder cars in the dataset

table(mtcars$cyl)

##

## 4 6 8

## 11 7 14

# plot the count of 4, 6 & 8 cylinder cars in the dataset

barplot(table(mtcars$cyl))

2. Create a scatterplot matrix by gear types in mtcars dataset.

# Basic Scatterplot Matrix

pairs(~mpg+disp+drat+wt,data=mtcars,

main="Simple Scatterplot Matrix")

3. Write a program to create a plot density by class variable.

plot(x = mtcars$wt, y = mtcars$mpg)