#1. Histogram for all variables in a dataset mtcars. Write a program to create histograms for all columns.

data("mtcars")

str(mtcars)

par(mfrow = c(3,4))

#graph

lapply(mtcars[2:11], hist)

#2. Check the probability distribution of all variables in mtcars

par(mfrow = c(3,4))

#function to plot probability

prob <- function(prob){

x <- sort(prob)

hx <- dnorm(prob)

p <- plot(x,hx,type = "l")

}

lapply(mtcars[2:11], prob)

#3. Write a program to create boxplot for all variables.

par(mfrow=c(3,4))

lapply(mtcars[]2:11, boxplot)

#applying the function to all columns