1. States = rownames(US Arrests)

Get states names with ‘w’.

Get states names with ‘W’.

Ans. USArrests

States = rownames(USArrests)

States

# Get states names with 'w'.

States[grep("w", States)]

#Get states names with 'W'.

States[grep("W", States)]

2. Prepare a Histogram of the number of characters in each US state.

Ans. df <- nchar(States)

df

hist(nchar(States))

States <- rownames(USArrests)

No\_of\_Char <- nchar(x)

df <- data.frame(States, No\_of\_Char)

df

barplot(df$No\_of\_Char, main = "Number of Characters in Each US State",

xlab = "States", ylab = "No. of Character in Each State",

col = "blue", axes = TRUE

)