Assignment 2.5

**Q1**. States = rownames(US Arrests)

Get states names with ‘w’.

Get states names with ‘W’.

**Sol:**

USArrests

States = rownames(USArrests)

States

# Get states names with 'w'.

States[grep("w", States)]

#Get states names with 'W'.

States[grep("W", States)]

**Q2**. Prepare a Histogram of the number of characters in each US state.

**Sol:**

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

)