Assignment – 4.3

Question No.1

> States <- rownames(USArrests)

> States

[1] "Alabama" "Alaska" "Arizona" "Arkansas"

[5] "California" "Colorado" "Connecticut" "Delaware"

[9] "Florida" "Georgia" "Hawaii" "Idaho"

[13] "Illinois" "Indiana" "Iowa" "Kansas"

[17] "Kentucky" "Louisiana" "Maine" "Maryland"

[21] "Massachusetts" "Michigan" "Minnesota" "Mississippi"

[25] "Missouri" "Montana" "Nebraska" "Nevada"

[29] "New Hampshire" "New Jersey" "New Mexico" "New York"

[33] "North Carolina" "North Dakota" "Ohio" "Oklahoma"

[37] "Oregon" "Pennsylvania" "Rhode Island" "South Carolina"

[41] "South Dakota" "Tennessee" "Texas" "Utah"

[45] "Vermont" "Virginia" "Washington" "West Virginia"

[49] "Wisconsin" "Wyoming"

> class(States)

[1] "character"

> grep("w", States, value= TRUE, fixed = TRUE)

[1] "Delaware" "Hawaii" "Iowa" "New Hampshire" "New Jersey"

[6] "New Mexico" "New York"

> grep("W", States, value=TRUE, fixed = TRUE)

[1] "Washington" "West Virginia" "Wisconsin" "Wyoming"

Question No.2

> nchar(States)

[1] 7 6 7 8 10 8 11 8 7 7 6 5 8 7 4 6 8 9 5 8 13 8 9 11 8 7

[27] 8 6 13 10 10 8 14 12 4 8 6 12 12 14 12 9 5 4 7 8 10 13 9 7

> NumStates <- nchar(States)

> hist(NumStates)

