**Assignment 4.3**

 **Problem Statement**

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

**Get states names with ‘w’.**

**Get states names with ‘W’.**

**Answer**:

grep(pattern = "w", x = States, value = TRUE) # select the states which has 'w'

grep(pattern = "W", x = States, value = TRUE) # select the states which has 'W'

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

**Answer:**

hist(nchar(States), main = "Histogram",

xlab = "number of characters in US State names")