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

**Get states names with ‘w’.**

**Get states names with ‘W’.**

***Ans:***

States = rownames(USArrests)

rownames(USArrests)

#for w

grep("w",rownames(USArrests))

x<-grep("w",States)

for (i in 1:length(x)){

print(States[x[i]])

}

#for W

grep("W",rownames(USArrests))

y<-grep("W",States)

for (i in 1:length(y)){

print(States[y[i]])

}

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

***Ans:***

a <- c(0)

for(i in 1:50){

temp <- States[i]

len <- nchar(temp)

a <- c(a,len)

}

hist(a[2:51],xlab="No. of characters in each state",col = "blue")