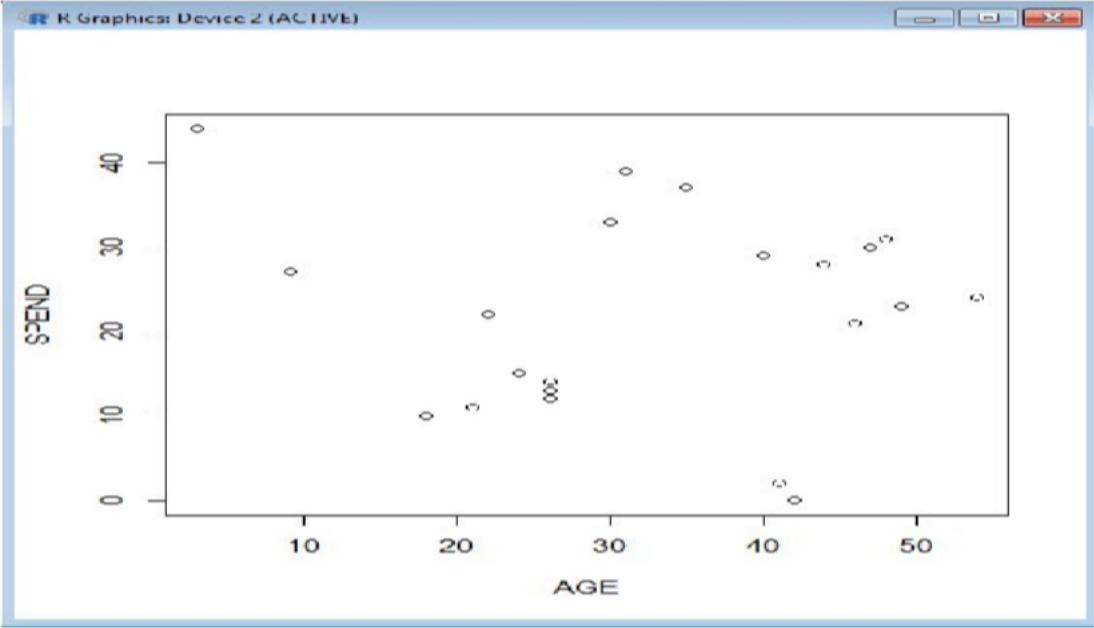
**PRACTICAL NO 8**

**AIM:**Practical of Clustering

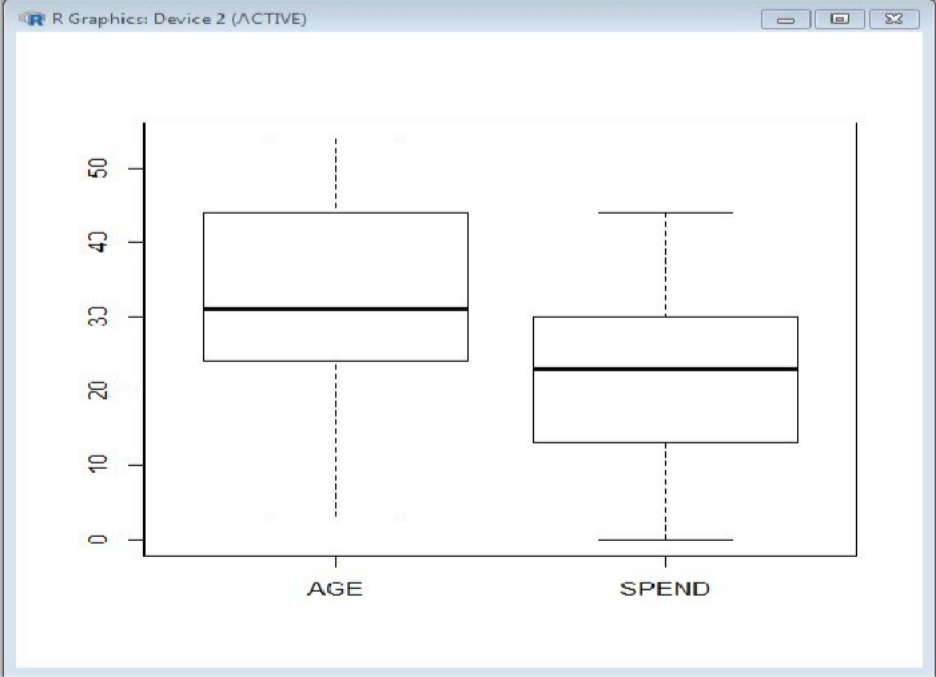
df=read.csv("C:/TYCS A-11/AGE.csv")



#plot(df)



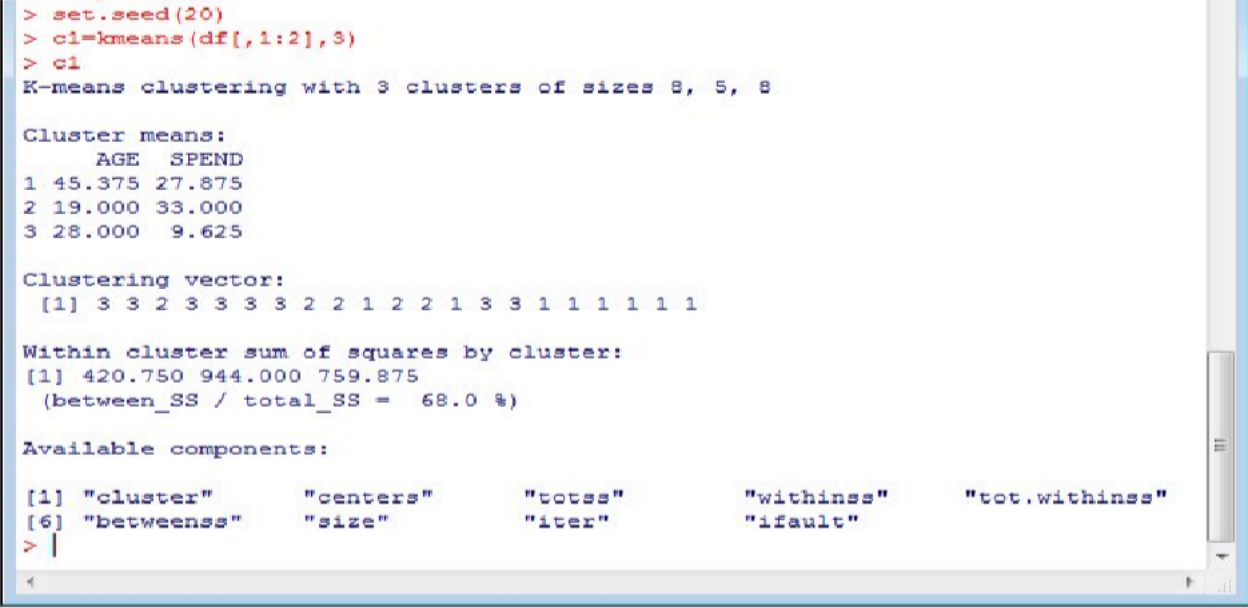
#boxplot(df)



### Make the cluster

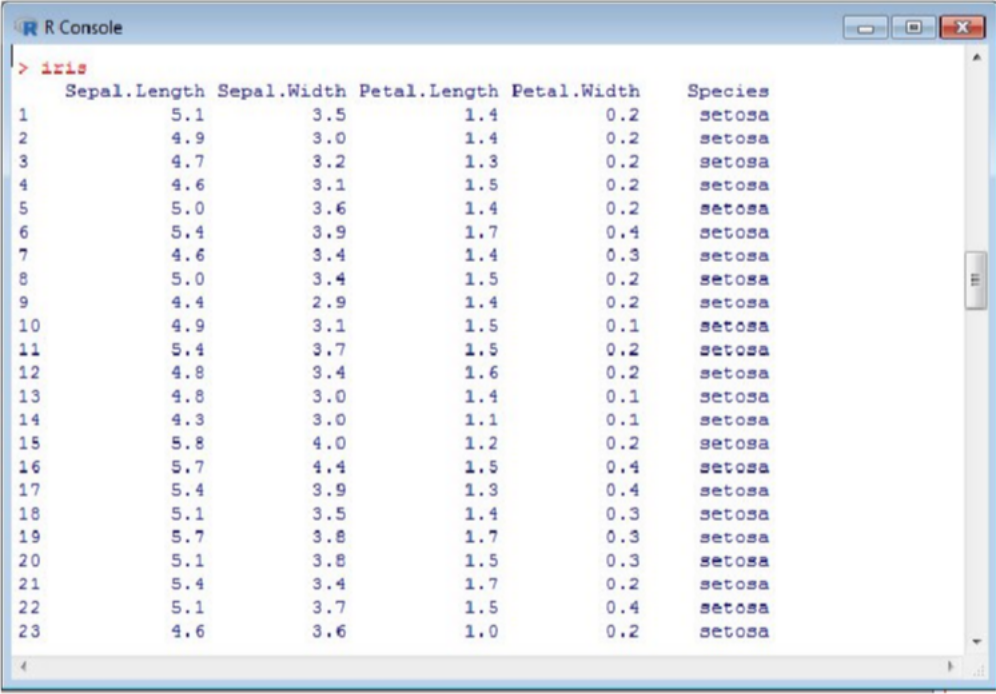
>set.seed(20)

* c1=kmeans(df[,1:2],3)
* c1

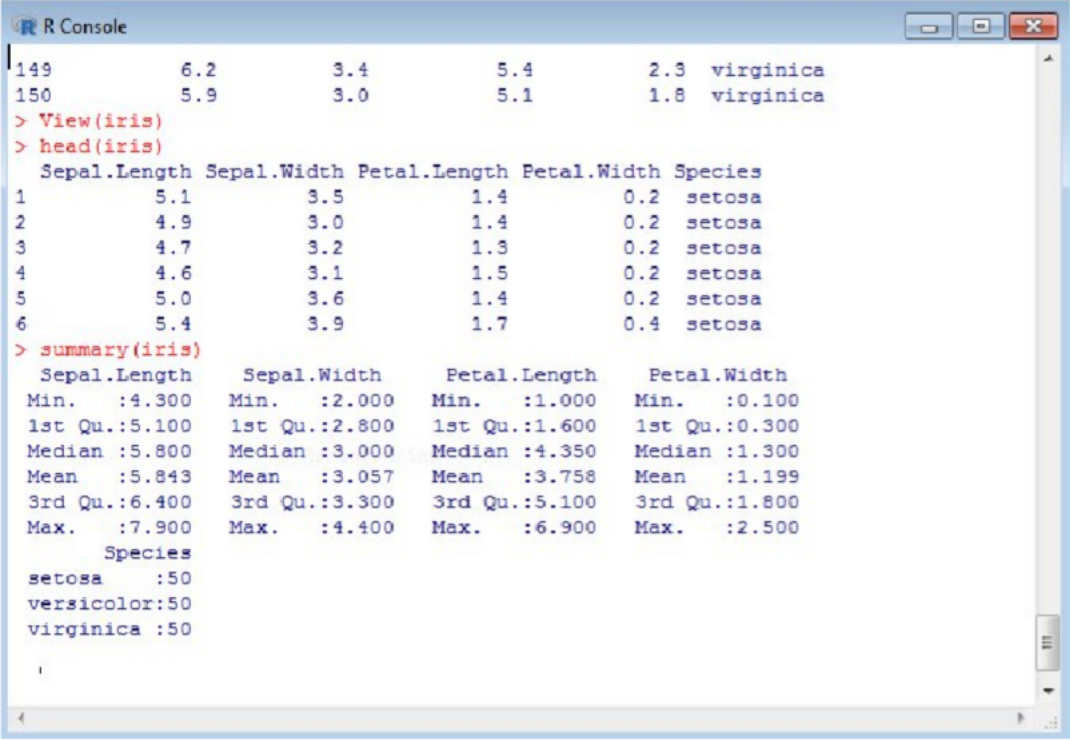
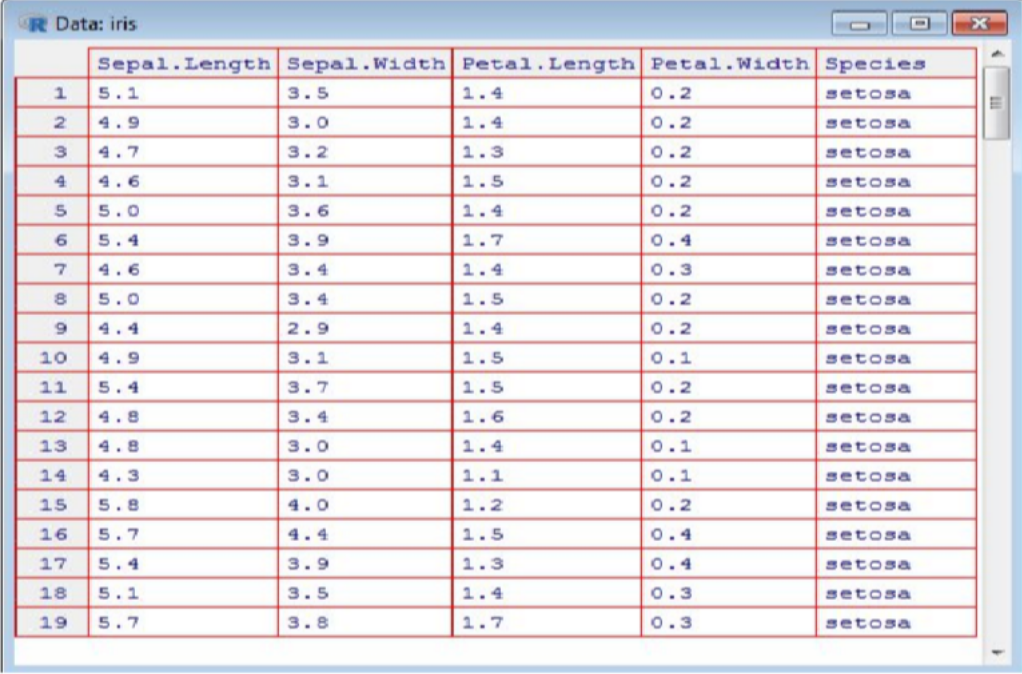


**#SHOW THE IRIS DATA SET**

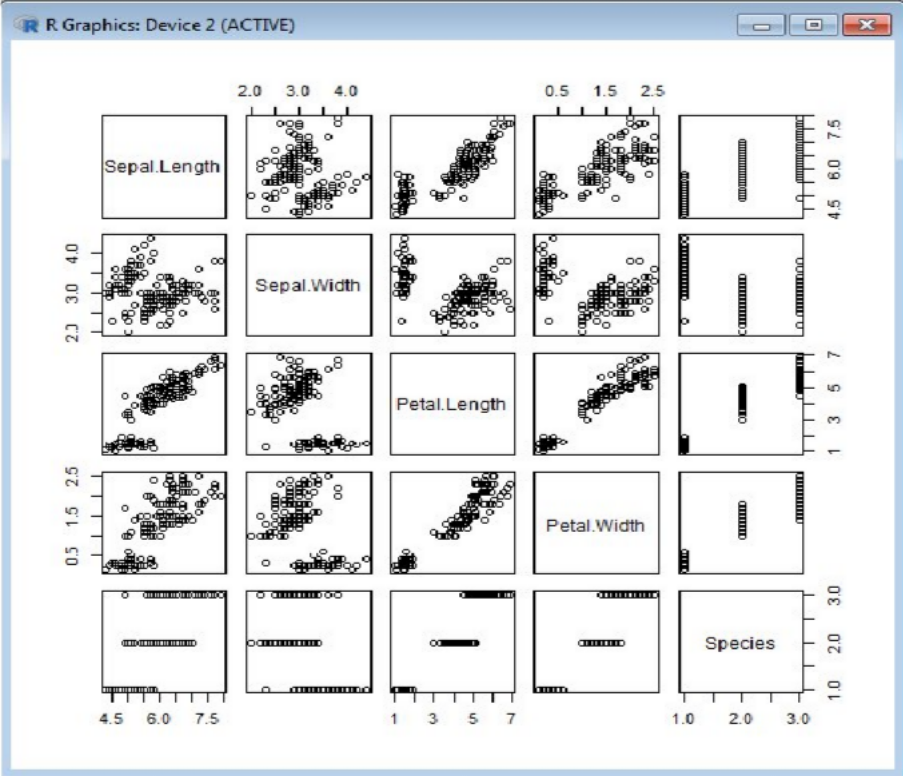
>iris



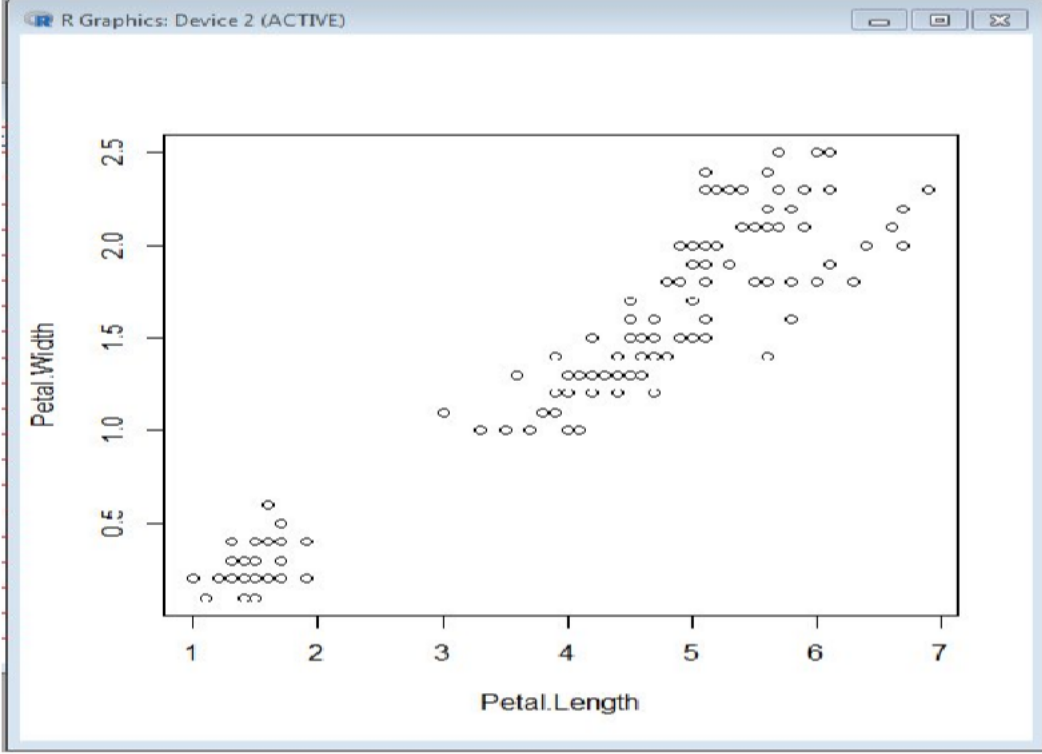
#View(iris)



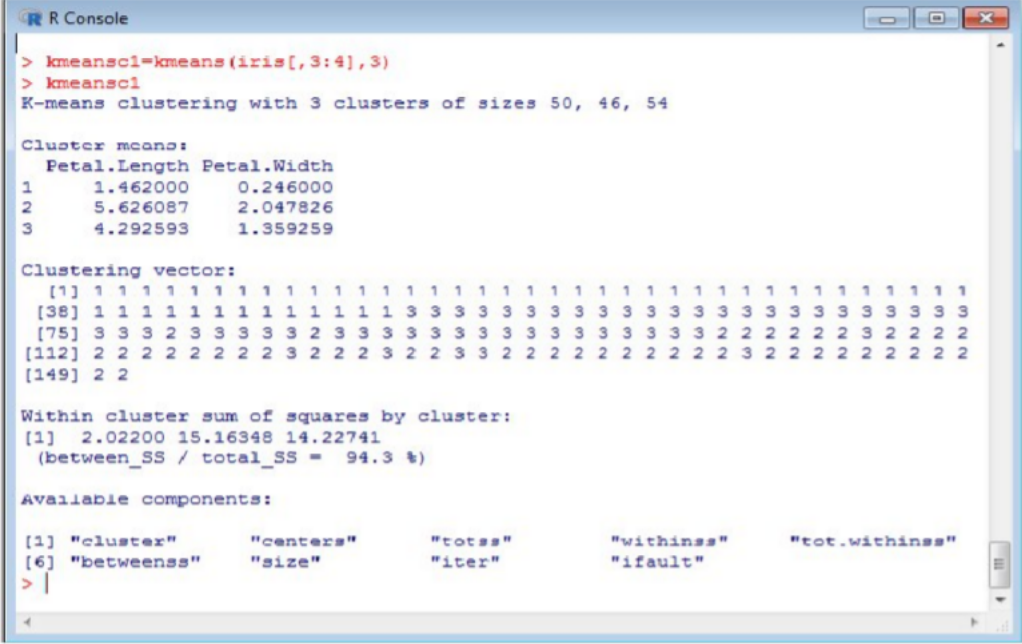
>plot(iris)



>plot(iris[,3:4])

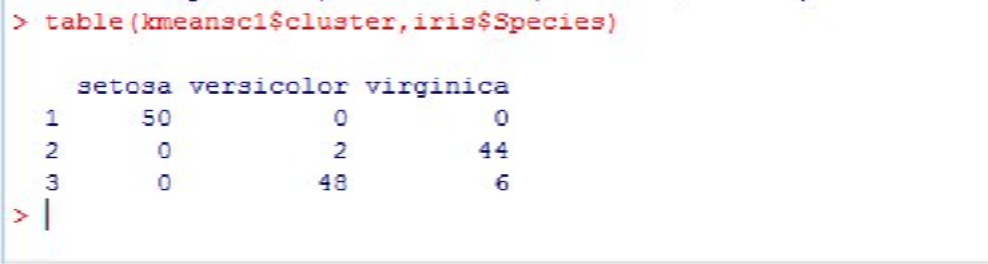


* kmeansc1=kmeans(iris[,3:4],3)
* kmeansc1



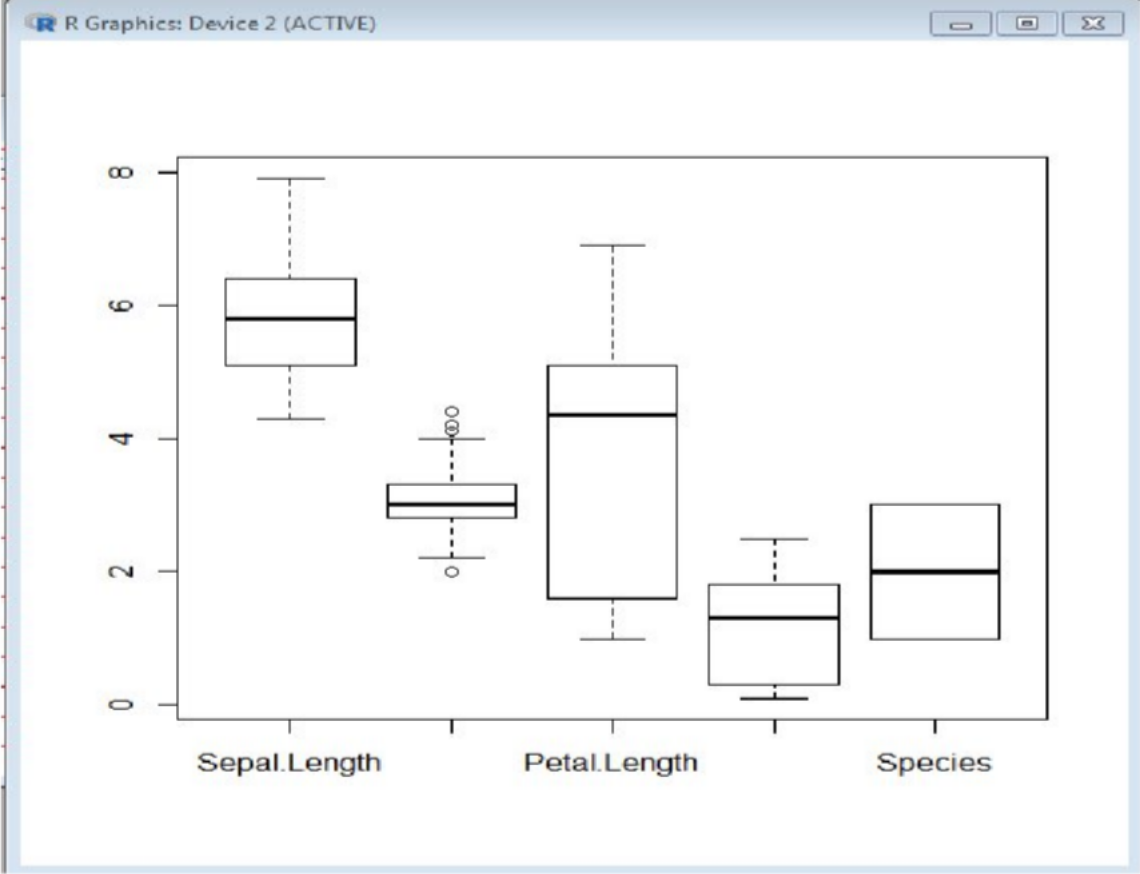
### PRINT CONFUSION MATRIX

>table(kmeansc1$cluster,iris$Species)



CALCULATION OF ACCURACY 94.6%

>boxplot(iris)



**CONCLUSION:**Thus we have implemented Clustering successfully.