ASSIGNMENT 3

Data Science with R

#ques-1

library(ggplot2)

data(iris)

ggplot(iris,aes(Sepal.Length,Petal.Length,color= Species))+ geom_point()

#From the graph,it is clear that the flowers of setosa specie are with short Sepal and petal length

#whereas the versicolor is with medium and the virginica is with medium to high sepal and petal length

#ques-2

library(ggplot2)

data("txhousing")

str(txhousing) #to check the type of the dataset

#Side-by-side boxplots of all continuous variables based on the column species

boxplot(year ~ city, data = txhousing,main = "Boxplot of year by city")

boxplot(month ~ city, data = txhousing,main = "Boxplot of month by city")

boxplot(sales ~ city, data = txhousing,main = "Boxplot of sales by city")

boxplot(volume ~ city, data = txhousing,main = "Boxplot of volume by city")

boxplot(median ~ city, data = txhousing,main = "Boxplot of median by city")

boxplot(listings ~ city, data = txhousing,main = "Boxplot of listings by city")

boxplot(inventory ~ city, data = txhousing,main = "Boxplot of inventory by city")

boxplot(date ~ city, data = txhousing ,main = "Boxplot of date by city")

#scatterplot of month and sales

ggplot(txhousing,aes(month,sales,color = city))+ geom_point()

```
#ques-3

library(ggplot2)

titanic <- read.csv("C:/Users/Shiuli/Downloads/titanic.csv")

final_plot <- ggplot(titanic,aes(x= Fare,y= Survived,color = sex))+ geom_boxplot()

show(final_plot)
```