Here are some problems based on Monday's class (2/6).

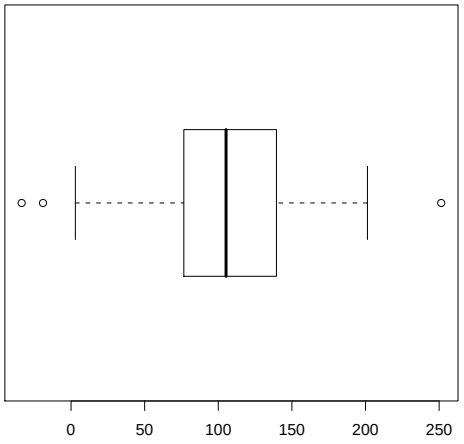
Excercise 1. Find the median, Q_1, Q_3 of the data set

```
3 1 4 1 5 9 3
```

Excercise 2. Compare the mean and median for the following data

```
12 15 14 43 122
```

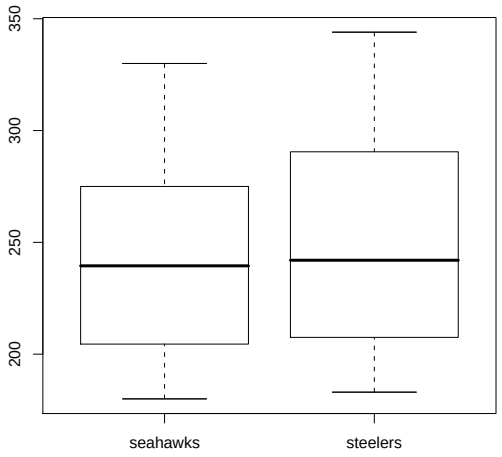
Excercise 3. From the boxplot, estimate values of the min, the max, Q_1, the median, and Q_3:



Excercise 4. The weights of the players for the Seahawks and the Steelers can be analyzed as follows.

These commands produce side-by-side boxplots

```
> source("http://www.math.csi.cuny.edu/verzani/classes/MTH113/data/steelers.R")
> source("http://www.math.csi.cuny.edu/verzani/classes/MTH113/data/seahawks.R")
> seahawks.weights = seahawks[["Weight"]]
> steelers.weights = steelers[["WT"]]
> boxplot(list(seahawks = seahawks.weights, steelers = steelers.weights))
```



1. Which team had the heaviest player?
2. Which team had the lightest player?
3. Which team had the larger median weight?
4. Which was more, the third quartile of the Seahawks, or the median of the Steelers?