**Exercise 3: Accessors and operators**

1. Create a function which converts centimeters measures into millimeters and use it on iris data frame to return the sepal length in millimeters.
2. Create a function which computes the maximal surface of the petal reported in the iris data frame. Add the output in a new column of the iris data frame.
3. For each row in the iris data frame, add the maximal length measure in a new column.
4. Create a new column in the iris data frame which displays “sepal” following by the corresponding sepal length if the maximal length measure corresponds to the sepal length and “petal” following by the corresponding petal length otherwise.
5. Use the lapply function to answer question 1.
6. Use the sapply function to answer question 3. Don’t hesitate to look at R tutorial to use sapply.
7. Using the sapply and rbind functions, create a new row in the iris data frame containing median value of each column.
8. Based on the iris dataset, plot the distribution of the sepal length variable for each specie. The plot need to have appropriate title and axes labels. Save the plot in a pdf file.