Assignment 5

Use the R dataset "iris" to answer the following questions:

1. Find the mean and standard deviation of the sepal width and sepal length for each type of species.
2. Create a new dataset called iris.class from the iris dataset. Use a loop and ifelse statement to create a vector in the iris.class dataset called Calyx.Width, which is "short" if Sepal.Length is less than 5, and otherwise is "long." (The sepals of a flower are collectively known as the calyx.)
3. Create a histogram of the Petal.Length variable.
4. Create side-by-side boxplots of the Petal.Width for each type of Species. Export your figure created in a .png file.