Exercise 3

Task 1

1. Load the data set `Orange` that contains only three variables.
2. Plot the two variables `age` and `circumference` against each other using a scatter plot (`geom_point`)
3. Add color as an additional aesthetic mapping for the variable `Tree`.

Task 2

1. Now plot them as lines and not as points using `geom_line`
2. Generate 2 objects: One plot using points and one using lines. Plot the two objects in one plot.
3. Add another layer to your plot: `+ facet_wrap(~Tree)`. What does the function do?

Task 3

1. In this task we use the data set `ChickWeight`. Load the data set from the package `datasets`.
2. Plot the distribution of the variable `weight` using a histogram.
3. Change the data type of the variable `Time` to a factor.
4. Plot a boxplot for each time point.
5. Plot the weight as boxplots for the different types of `Diet`.
6. Do the same, as before, but now combine the three variables: Use `Time` on the x-axis, `weight` on the y-axis and use Diet as a fill argument.