Assignment 2

- Your default preloaded R library (called base) comes with a number of preloaded datasets. You can check them with data();
- Use one of their datasets called: USPersonalExpenditure
 - You can also check for its help using ?USPersonalExpenditure
- Load it as: df = USPersonalExpenditure;
- Create a new dataset showing only the percentage consumption of each category in a particular year. Also add an additional row showing overall consumption in each year.
 - Do it with using for loop
 - You may use one or two loops
 - Your answer should look like the output of below code:
 - rbind(round(t(t(100*df) / colSums(df)), 2), "Total" = colSums(df));
 - Try to understand what I did above. You can use internet help if you wish!

- Instead of values, now find the growth rates of each category of consumption for each year
 - Use for loops!
 - Now again, compare your answer to the table: df[,-1] / df[,-5];
 - Do they match? What did I do above? Explain!
 - With explanation I mean what does the numbers represent and how the above code is doing that in R.
- Find help (and read) about the following functions:
 - which, head, tail, rnorm, runif, cor, cov
- Install dplyr package. Figure out how to do that from internet!