Exercise 8

1. Create the function to_upper(s)

Create the function to_upper(s) which takes a String s as input and returns a String where all ASCII letters (a-z) are transformed to upper case, the other characters stay the same.

2. Create one version which uses toupper(c) from <ctype.h>.
3. Then extent the program with a function implementing your self toupper(c).

Hint: To reimplement toupper(c) inspect closely the ASCII table of the lower, and upper case letters. The solution can be realized with simple arithmetic!

2. Write a program which writes to stdout and stderr.

2. Write a tiny program which outputs alternating "hey!" to stdout and then "ho!" to stderr. In between the two output of the program shall sleep for 1 second.
3. Write a bash command which writes all outputs of the stdout to the file hey.txt and all the output of the stderr to the file ho.txt
4.

Project P01: Linked Data In-Memory Store

After the project set-up with some dummy information try to define some data "by hand" and start to work on the match() function.

- Define a data structure which you then fill with some example information statically (see the example from the project description). Make sure to define it outside the match() function.
- As a first step see if you can printf() all the triples which match the char* S variable.