Assignment 1

- Write a function template which receives two of any *shapes* from last week's assignment, compares them, and prints out the result.

Assignment 2

- Generate random numbers between 0-33, ten thousand times, then print how many duplicates of each number you have generated -- print in ascending order.

- *Hint: results should be stored in ascending order in your container.*

Assignment 3

- We want to generate 1024 random integers, then given a *new* random number; find two integers which are the closest to the given number (smaller, and bigger) with less than twelve lookups.

- Create *a sorted* container and populate it, then pick a random integer and look for the *boundaries* – implement your own logarithmic search if you are in the mood for it ☺

Bonus

- Write a program which receives the name of two text files as input argument. The program shall count the number of occurrences of the words of the first file, in the second file, and then print the result at the end of the second file.

- *Hint: Google C++ strings tokenization!*