Compiling and executing manual

Carlos Bergillos, Antoni Rambla, Adrià Cabeza
Departament de Computació

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1 Makefile

To make easier the work of compiling end executing the source files we have created a makefile that can be seen in our source folder. Inside the makefile we have determined several functionalities that can help us in the task of compiling and executing our source files:

- **Default option**: it compiles all our source files and generates all our executables. It also creates several object files in order to be able to generate some of our executables. To run it you have to type: *make*
- Generate the program that **compares two different documents using Jaccard Similarity**: To run it you have to type: *make compjac*
- Generate the program that generates **permutations** of a file: To run it you have to type: *make permutacions*
- Generate the program that creates the data for our **Performance of Different Hashing Algorithms** experiment: To run it you have to type: *make jocProvesHashTimes*
- Generate the program that creates the data for our **Performance of Different Document Similarity Approaches** experiment: To run it you have to type: *make jocProvesJaccSim*
- Generate the program that creates the data for our **Precision of Jaccard Similarity Approximations** experiment: To run it you have to type: *make jocProvesJaccSimLsh*
- Generate the **Modular Hashing Function** object file: To run it you have to type: *make ModularHash.o*
- Generate the **Multiplicative Hashing Function** object file: To run it you have to type: *make Multiplicative.o*
- Generate the **Murmur Hashing Function** object file: To run it you have to type: *make MurmurHash3.o*
- Generate the **Jaccard Approximation** object file: To run it you have to type: *make jaccardaprox.o*
- Generate the **Jaccard Similarity** object file: To run it you have to type: *make jaccard.o*
- Generate the **k-shingles** object file: To run it you have to type: *make kshingles.o*

- **Delete all the object and executables files** generated in the folder: To run it you have to type: *make clean*