DPLL algorithm

Read about DIMACS CNF format from:
https://jix.github.io/varisat/manual/0.2.0/formats/dimacs.html

Your goal is to check the satisfiability of a CNF formula in the DIMACS CNF format using the DPLL algorithm. You can also try different heuristics for selecting variables to speed up the algorithm. Your implementation should be able to check the satisfiability of the attached CNF files, unsat.cnf, sat.cnf, dubois22.cnf.

You can use any programming language of your choice. Submit your implementation and instructions on how to compile and run your implementation. You can do it in a group of up to three students. All students in a group need to understand the implementation thoroughly. The marks will be given based on the average understanding of the group.