Home Assignment 2 (5% of the total mark)

Submit by Friday February 15, 17h00 (late submissions will not be accepted)

Royal Genealogy

Part 1

The programs indivividual.pl, father.pl and mother.pl represent data from
http://128.118.2.23/~saw/royal/

1) Make the programs indivividual.pl, father.pl and mother.pl three respective modules (called
father, mother and individual) with the appropriate exports. (father, mother and individual)
2) Write the documentation for the exported procedures

Part 2

A king can be identified by his name ("XXX, King [of] YYY").

1) Create a module called test and import the modules and procedures of part 1
2) Write a procedure king(+Individual) that succeeds if Individual is a king
3) Write a procedure d(?Individual1, ?Individual2) that succeeds if Individual1 is a descendent of
Individual2
4) Write a procedure d1(?King, ?Individual) that succeeds if King is a king and a descendent of
Individual. The procedure implements a depth first search starting from Individual. Export it.
5) Write a procedure d2(?King, ?Individual) that succeeds if King is a king and a descendent of
Individual. The procedure implements a breadth first search starting from Individual. Export it.
6) Write the documentation for d, d1 and d2

Submit the code of the 4 program files and the 6 HTML documentation files in a zip file named
name.zip where name is your name (first and last) to IVLE. If you do not have access to IVLE, email
me the zip file.

Ps: you are welcome to find, advertize and fix bugs and typos in the father, mother and individual
programs.