

# AI Project #1: Family Tree

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Due Date:

**February 5, 2018 23:59 hours**

Create a program in Prolog to represent your family tree going back at least 3 generations. Facts should be the predicates parent, married, male and female. Use rules to define all other family relationships (such as grandfather, aunt, sister, son, half\_sibling, ancestor, etc.) You may find some intermediate rules to be helpful to simplify the rest of the rules significantly.

Submit a working .pl file with a significant number of code comments to show your understanding and demonstrates the rules with multiple test cases.

[D:\COMP 469] swipl family.pl

Welcome to SWI-Prolog (threaded, 64 bits, version 7.6.4)

SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.

Please run ?- license. for legal details.

For online help and background, visit <http://www.swi-prolog.org>

For built-in help, use ?- help(Topic). or ?- apropos(Word).

1 ?- cousin(X, 'Steven Wirsz').

X = 'Kinsey W' ;

X = 'Kyra W' ;

X = 'Cheryl R' ;

X = 'Richard R' ;

X = 'Ted S' ;

false.

Last Revised: January 26, 2018