% parents.pro

% Name – Ashok kumar Thulsegari

% CUW ID - F00592992

% Mail ID – ashokkumar.thulsegari@cuw.edu

% GHL

% You may add your own facts and rules, but leave the current facts and rules in this file also

% Facts

female(frances). % my mother

female(barbara). % karen's mother

female(karen). % my wife

female(kathy). % karen's sister

female(carrie). % "

female(laurie). % "

female(connie). % "

female(sabrina). % my daughter

female(valerie). % "

female(joya). % "

female(kallie). % "

female(tessa). % my granddaughter

female(meriel). % "

male(oliver). % my father

male(robert). % karen's father

male(gary). % me

male(rob). % karen's brother

male(josh). % my son

male(david). % "

male(daniel). % "

male(geoff). % "

male(matthew). % "

male(sam). % my grandson

male(jahleel). % "

male(camden). % "

male(michael). % "

male(peyton). % "

male(ollie). % "

male(leif). % "

parents(josh,gary,karen). % format (Offspring, Father, Mother)

parents(sabrina,gary,karen).

parents(david,gary,karen).

parents(daniel,gary,karen).

parents(valerie,gary,karen).

parents(gary,oliver,frances).

parents(karen,robert,barbara).

parents(rob,robert,barbara).

parents(laurie,robert,barbara).

parents(connie,robert,barbara).

parents(kathy,robert,barbara).

parents(carrie,robert,barbara).

parents(tessa, josh, joya).

parents(sam, josh, joya).

parents(michael, josh, joya).

parents(ollie, josh, joya).

parents(meriel, geoff, sabrina).

parents(leif, geoff, sabrina).

parents(jahleel, david, kallie).

parents(camden, david, kallie).

parents(peyton, david, kallie).

% Rules

% 1

% you need to modify so someone is not her own sister

sister\_of(Sister, Sibling) :-

female(Sister),

parents(Sister, Father, Mother),

parents(Sibling, Father, Mother),

Sister \= Sibling.

% 2

% your mother's or father's sister

aunt(Aunt, NephewNeice) :-

female(Aunt),

parents(NephewNeice, Father, Mother),

(sister\_of(Aunt, Father); sister\_of(Aunt, Mother)).

% 3

% your mother's or father's father

grandpa\_of(Granddad, Grandperson) :-

male(Granddad),

(parents(Grandperson, Father, \_), parents(Father, Granddad, \_);

parents(Grandperson, \_, Mother), parents(Mother, Granddad, \_)).

% 4

% make up something interesting relating to families; it should not be similar to any of these rules, eg bother\_of

cousin\_of(Cousin, Person) :-

parents(Cousin, FatherC, MotherC),

parents(Person, FatherP, MotherP),

(sister\_of(FatherC, FatherP); sister\_of(MotherC, MotherP); sister\_of(FatherC, MotherP); sister\_of(MotherC, FatherP)),

Cousin \= Person.

A screenshot of a computer

AI-generated content may be incorrect.

A screenshot of a computer

AI-generated content may be incorrect.