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**COURSE CODE:** APT1030

**COURSE NAME:** FUNDAMENTALS OF PROGRAMMING LANGUAGES

**INSTRUCTOR NAME:** EDWARD OMBUI PhD

**PROGRAM:** APPLIED COMPUTER TECHNOLOGY

**DATE OF SUBMISSION:** MAY 24, 2024

**ASSIGNMENT:**

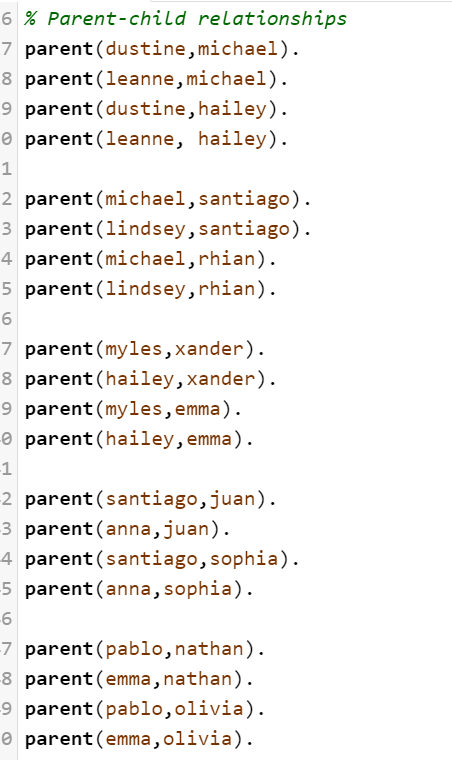
1) Build a knowledge base that includes facts and relationships about your family, extending to a minimum of four generations.

The rules should include who are: siblings (); father (); mother ();

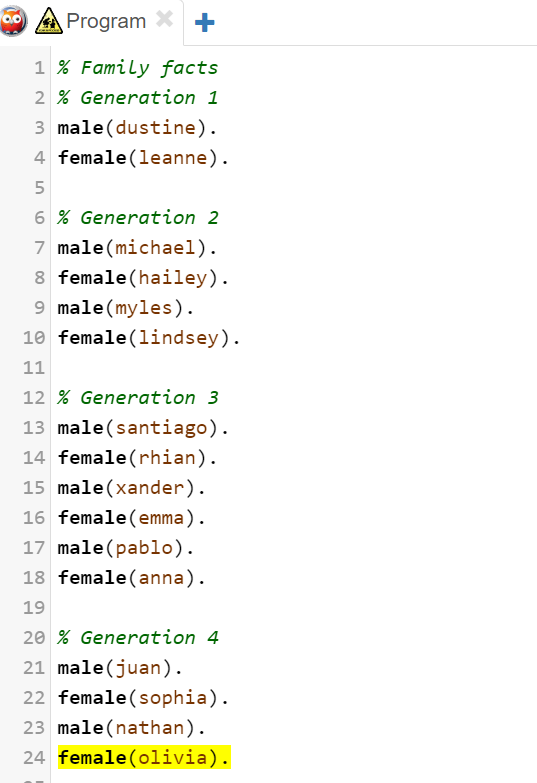
2) Implement it as a Family Tree in Prolog.

3) The program should be able to answer queries such as: mother (X, Y); siblings (X, Y);

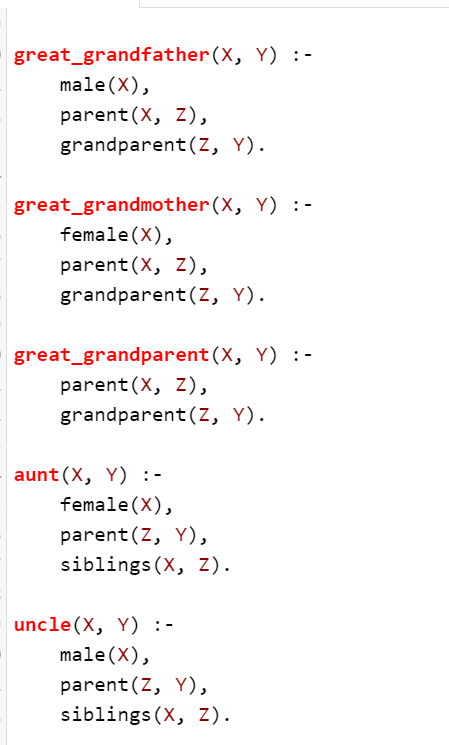
**PARENT\_CHILD RELATIONSHIPS:**



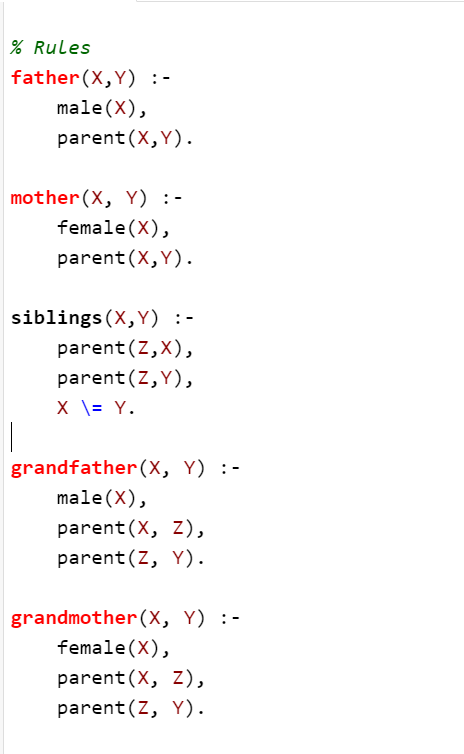
**FAMILY FACTS:**

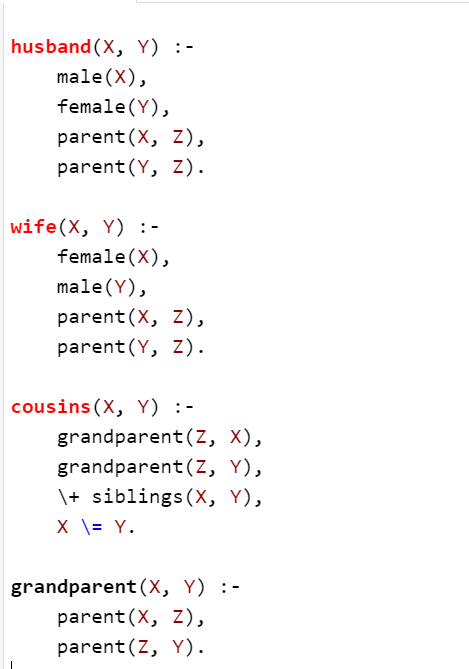


**RULES FOR RELATIONSHIPS:**

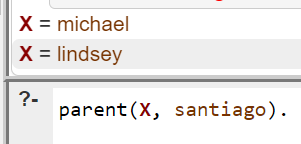


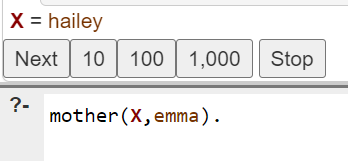
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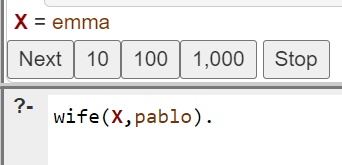


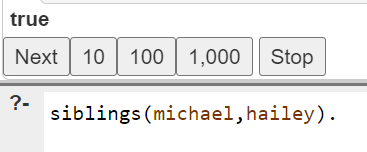
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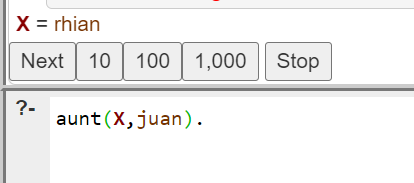
**SAMPLE QUERIES WITH THEIR OUTPUT:**



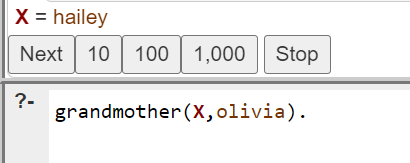


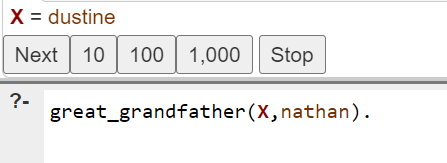


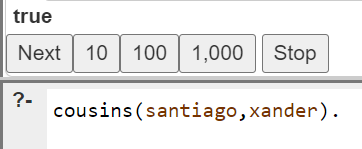




**SAMPLE QUERIES WITH THEIR OUTPUT:**







Query on whether Santiago ad Rhian are cousins when they are not to test the application:

