**Assignment One**

You are required to come with a Prolog program for an extended family. It stores basic facts about the individuals that are part of the extended family, and some of the basic relationships between individuals in that family. It should also have rules that allow the derivation of new knowledge from the knowledge base. Below is a partial listing for a knowledge base on family relationships.

• gender (male or female)

• age (in years)

• height (in inches, feet, or centimeters)

• mother’s father;

• brother’s sister;

• husband’s wife.

You may add other properties that you find relevant or interesting (e.g. weight, hair color, odd habits ...). You can also add other relationships such as fiancé, friend, business partner,etc., but it is probably better to keep it simple. Your family should span at least 15 individuals over three or more generations; if necessary, you can add fictional individuals. Each individual must have at least one relationship, and on average each individual must have at least two instantiated properties.