**Tutorial -9**

Question:

Create an elementary Prolog knowledge-base, describing the following relations by using facts and rules:

1. John, Fred and Harry are men, Mary, Julie, Susan and Anne are women.
2. John has blonde hair while Fred and Harry have dark hair.
3. Julie and Susan are blonde, Mary and Anne are brunette.
4. Rich is each person who owns the gold. Fred and Julie in this scenario.
5. Male like only female and vice versa. Moreover, John and Harry like rich persons, John likes blonde and Fred likes brunette.
6. Both Mary and Julie like dark hair persons, Julie likes rich persons at the same time.

Execute the following Queries:

1. Who is male?
2. Who does Mary like?
3. Does Julie like anyone?
4. Is there a couple who like each other?

Create an elementary Prolog knowledge-base, describing the following family tree by using facts and rules. All facts shall **only** be defined by a clause called **parent.** You may have any number of rules to answer the questions that follow.

A close up of a logo

Description automatically generated

Execute the following queries with appropriate rules.

1. Who are the parents of Alex?
2. Display all the siblings in the knowledge base.
3. Display all the couples in the knowledge base.
4. Display the ancestors of Sandra.