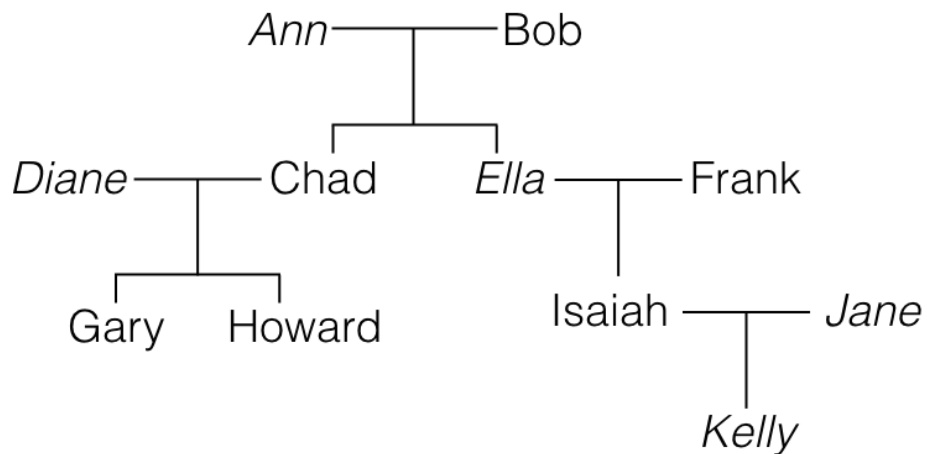


LAB Quiz 01

Artificial Intelligence and Expert Systems Sessional

1. Consider the following Family Tree. Then write 3 types of rules.
 - a. `female (X)`.
 - b. `parent(X,Y)`. X is the parent, Y is the child.
 - c. `married(X,Y)`. X is the wife and Y is the husband.
 - d. Find the ancestor of Kelly.



2. Find the Output of the following Code Segment:

Knowledge Base:

```
la ([],List2,List2).  
la (List2,[H1|T1],[H1|T]) :- la(T1,List2,T).
```

Query:

```
la([1,2,3],[4,5,6],X)
```