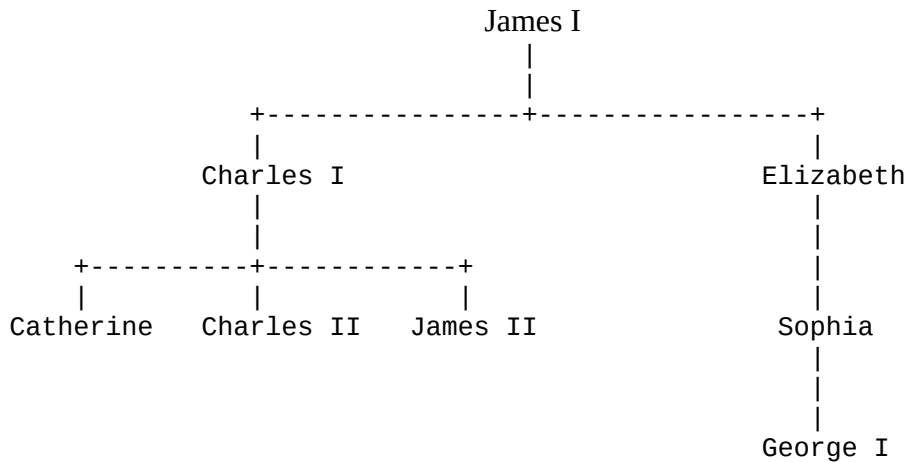


Assignment No : 2

Aim:- To Implement Family Tree in PROLOG.



Here are the resultant clauses:

```
male(james1).
male(charles1).
male(charles2).
male(james2).
male(george1).

female(catherine).
female(elizabeth).
female(sophia).

parent(charles1, james1).
parent(elizabeth, james1).
parent(charles2, charles1).
parent(catherine, charles1).
parent(james2, charles1).
parent(sophia, elizabeth).
parent(george1, sophia).
```

Here is how you would formulate the following queries:

Was George I the parent of Charles I?

```
?- parent(charles1,george1).
false.
```

Who was Charles I's parent?

```
?- parent(charles1,X).
X = james1.
```

Who were the children of Charles I?

```
?- parent(X,charles1).
X = charles2 .
```

