Exp 23. Write the prolog program to implement family tree.

parent(john, mary).

parent(john, tom).

parent(susan, mary).

parent(susan, tom).

parent(mary, alice).

parent(mary, bob).

parent(paul, alice).

parent(paul, bob).

% Rules

mother(X, Y) :- parent(X, Y), female(X).

father(X, Y) :- parent(X, Y), male(X).

grandparent(X, Y) :- parent(X, Z), parent(Z, Y).

sibling(X, Y) :- parent(Z, X), parent(Z, Y), X \= Y.

% Gender facts

male(john).

male(tom).

male(paul).

female(susan).

female(mary).

female(alice).

female(bob).

```
?-
% Updating index for library c:/users/administrator/downloads/swipl/library/
% Updating index for library c:/users/administrator/downloads/swipl/xpce/prolog/lib/
?-
|    father(john, paul).
false.

?- grandparent(john, alice).
true ▮
```