Question 1

Prolog Code:

```
sibling(X, Y):-
    father(M, X),
    father(M, Y).

sister(X, Y):-
    female(X),
    father(M, X),
    father(M, Y).

grandson(X, Y):-
    male(X),
    father(M, X),
    father(Y, M).

grandson(X, Y):-
    male(X),
    mother(M, X),
    mother(Y, M).

descendant(X, Y):-
    father(Y, X).

descendant(X, Y):-
    mother(Y, X).

descendant(X, Y):-
    father(N, X),
    descendant(N, Y).

descendant(X, Y):-
    mother(N, X),
    descendant(N, Y).

male("Sasank").
male("Manoj").
male("Siva Sarma").
male("Ramana").
male("Siva Ram").
female("Naga Lakshmi").
female("Gayatri").
```

father("Siva Sarma", "Sasank").
father("Siva Sarma", "Manoj").
father("Ramana", "Naga Lakshmi").
father("Ramana", "Siva Ram").
mother("Naga Lakshmi", "Sasank").
mother("Naga Lakshmi", "Manoj").
mother("Gayatri", "Naga Lakshmi").
mother("Gayatri", "Siva Ram").

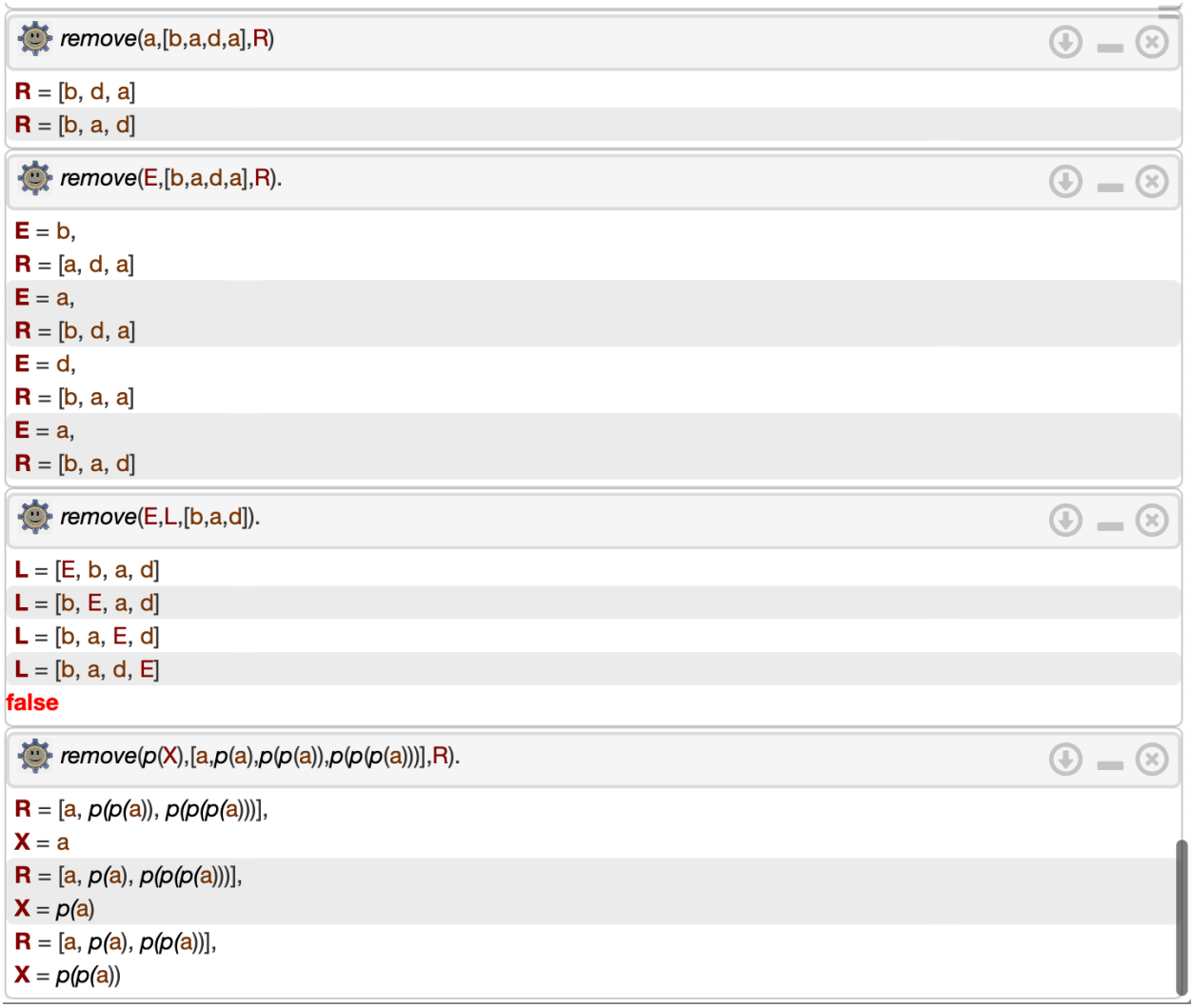
Output:

Question 2

Prolog Code:

```
remove(E,L,R) :-
    select(E,L,R).
```

Output:



Question 3

Prolog Code:

```
subsequence([X|L1],[X|L2]) :-
    subsequence(L1,L2).

subsequence([X|L1],[_|L2]) :-
   subsequence([X|L1],L2).

subsequence([],_).
```

Output:

```
subsequence(S,[b,a,d,a]).
S = [b, a, d, a]
S = [b, a, d]
S = [b, a, a]
S = [b, a]
S = [b, d, a]
S = [b, d]
S = [b, a]
S = [b]
S = [a, d, a]
S = [a, d]
S = [a, a]
S = [a]
S = [d, a]
S = [d]
S = [a]
S = []
```

Question 4

Prolog Code:

```
union_lists(L1,L2):-
    union(L1, L2, U),
    write('The Union of 2 lists is:'),
    write(U).
```

Output:

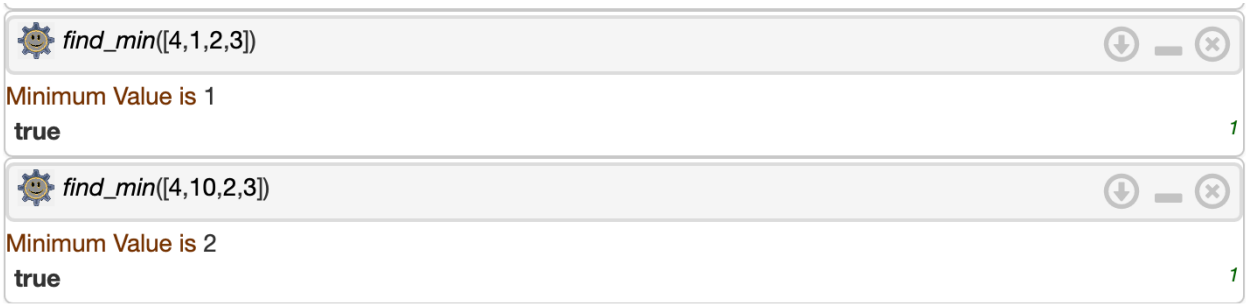
```
union_lists([a,a],[b,a,d,a])
The Union of 2 lists is: [b, a, d, a]
true 1
union_lists([a,b,c,d],[b,a,d,a])
The Union of 2 lists is: [c, b, a, d, a]
true 1
```

Question 5

Prolog Code:

```
find_min(L) :-
    min_list(L, X),
    write('Minimum Value is '),
    write(X).
```

Output:



Explanation:
This code finds the minimum value in a given list and prints it.