

سوال ۱:

```
rezvan@rezvan:~/Desktop$ swipl -s reverse.pl
Welcome to SWI-Prolog (threaded, 64 bits, version 8.2.3)
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
Please run ?- license. for legal details.

For online help and background, visit https://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- reverse([a,b,c,d,e], R).
R = [e, d, c, b, a].
```

سوال ۲:

```
rezvan@rezvan:~/Desktop$ swipl -s Quicksort.pl
Welcome to SWI-Prolog (threaded, 64 bits, version 8.2.3)
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
Please run ?- license. for legal details.

For online help and background, visit https://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- quicksort([6,1,4,2,5,3], S).
S = [1, 2, 3, 4, 5, 6]
```

```
rezvan@rezvan:~/Desktop$ swipl -s Family.pl
Welcome to SWI-Prolog (threaded, 64 bits, version 8.2.3)
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
Please run ?- license. for legal details.

For online help and background, visit https://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- mother(M, rezvan).
M = azita .

?- father(F, rezvan).
F = mohammad.

?- brother(B, rezvan).
B = mohammadreza .

?- sister(S, rezvan).
false.

?- aunt(A, rezvan).
A = leyla .

?- uncle(U, rezvan).
U = shahram .

?- grandmother(GM, rezvan).
GM = pooraan .

?- grandfather(GF, rezvan).
GF = hojat .

?- sister(S, mohammad).
S = farangis .

?- brother(S, mohammad).
S = amir .

?- father(F, mohammad).
F = ahmadali.

?- mother(M, mohammad).
M = fatemeh .

?- sibling(rezvan, mohammadreza).
true .

?- parent(mohammad, mohammadreza).
true.

?- grandparent(fatemeh, rezvan).
true .
```