



1. Assuming the parent relations defined above. What will be the Prolog's answer for the following queries?

- (a) `parent(jim, X).`
- (b) `parent(X, jim).`
- (c) `parent(pam, X), parent(X, pat).`
- (d) `parent(pam, X), parent(X, Y), parent(Y, jim).`

2. Write Prolog query for the following questions.

- (a) Who is Pat's parent?
- (b) Does Liz have a child?
- (c) Who is Pat's grandparent?