Study of Prolog:

Program:
studies(charlie,csc135).
studies(olivia,csc135).
studies(jack,csc131).
studies(arthur,csc134).
teaches(kirke,csc135).
teaches(collins,csc131).
teaches(juniper,csc134).

%Rule: X is professor of Y if X teaches can studies C.

professor(X, Y) :- teaches(X, C),
studies(Y,C).

% What does charlie study?
% studies(charlie, What).

% who are the student of professor kirke ?
%professor(kirke, Student).

parent(pam,bob).
parent(tom,bob).
parent(bob,ann).
parent(bob,pat).
parent(pat,jim).
parent(tom,liz).

% who is parent of bob ?.
%parent(Who,bob).
%parent(Who,pat).

Output:

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% v:/CSMSS all/7th sem all notes/Ai notes/prolog1.pl compiled 0.00 sec, 14 clauses
?- studies(charlie, What).
What = csc135.

?- professor(kirke, Student).
Student = charlie ,

?- parent(Who,bob).
Who = pam ,

?- parent(Who,pat).
Who = bob.
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Vaibhav Tawale[CS4256]