**Artificial Intelligence Practical**

Q1

/\*

Multiple of A & B

multi(+N1, +N2, -R)

R is N1 \* N2.

\*/

multi(N1, N2, R) :- R is N1 \* N2.

Q2

/\*

X is member of list or not

? -> preinitialized but bounded

memb(+X, ?L)

X is member of list L.

\*/

% memb(X, [X|\_]) :- write(X), write(' is member of given list.').

memb(X, [X|\_]) :- !.

memb(X, [\_|L]) :- memb(X, L).

Q3

/\*

concatenate two lists

conc(+L1, +L2, -L3)

L3 is L1 + L2.

\*/

conc([], L2, L2).

conc([X|L1], L2, [X|L3]) :- conc(L1, L2, L3).

OUTPUT

