AI Lab Assignment – 5

**(3.1 a):**

conc([],L,L).

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

?- L = [1,2,3,4,5], conc(L1,[\_,\_,\_],L).

L = [1, 2, 3, 4, 5],

L1 = [1, 2]

**(3.1 b):**

conc([],L,L).

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

?- L = [1,2,3,4,5,6,7,8], conc([\_|\_,\_,L2],[\_,\_,\_],L)

L = [1, 2, 3, 4, 5, 6, 7, 8],

L2 = [4,5]

**(3.2):**

last(X,List) :- concatenate(List,[X],List1).