Artificial Intelligence

**Practical - 7: Write a PROLOG program on lists i. Reversing a list.**

**ii. Finding the position of given element in the list a) from beginning. b) from end.**

Tirth Hihoriya 18BCE244horizontal line

**CODE:**

**reverse([],Z,Z).**

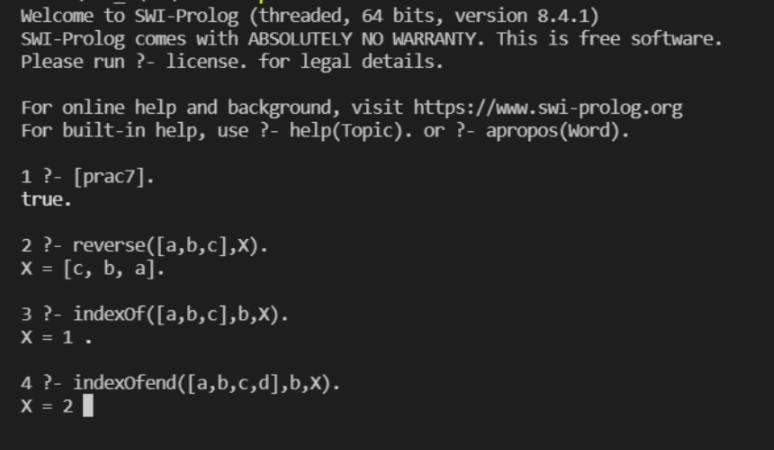
**reverse([H|T],Z,Acc) :- reverse(T,Z,[H|Acc]).**

**indexOf([Element|\_], Element, 0).**

**indexOf([\_|Tail], Element, Index):- indexOf(Tail, Element, Index1), Index is Index1+1.**

**indexOfend(List, Element, Index):- reverse(List, List2, []), indexOf(List2, Element, Index).**

**Input and Output:**

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