## Practical 7 Artificial Intelligence EL3 19BCE248

AIM: 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.

## Code:

```
reverse([],[]). reverse([X|LIST],ANS):- reverse(LIST,TEMP), append(TEMP,[X],ANS).
indexof([X|LIST], Y, COUNT, ANS):- ( X==Y -> ANS is COUNT ; Z is COUNT+1, indexof(LIST, Y, Z, ANS) ).
lastindexof(LIST, Y, COUNT, ANS):- reverse(LIST, LST), indexof(LST, Y, COUNT, ANS).
```

## Output:





