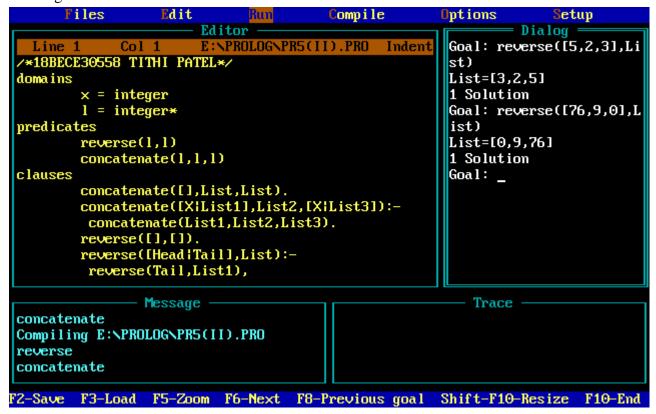
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PRACTICAL-5

Program (1): Code for Prolog program to reverse a list using concatenate in Artificial Intelligence



Program(2):Code for Prolog program to check whether a given list is palindrome or not in Artificial Intelligence.

domains list=symbol* predicates palin(list) findrev(list,list,list) compare(list,list)

```
palin(List1):
findrev(List1,[],List2),
compare(List1,List2).
findrev([],List1,List1).
findrev([X|Tail],List1,List2):
findrev(Tail,[X|List1],List2).
compare([],[]):
write("\nList is Palindrome").
compare([X|List1],[X|List2]):
compare(List1,List2).
compare([X|List1],[Y|List2]):
write("\nList is not Palindrome").
```

OUTPUT

