

## PRACTICAL – 5 : Tower Of Hanoi

```
tower.pl
File Edit View

move(1,X,Y,_):-
write('Move top disk from '), write(X), write(' to '), write(Y), nl.

move(N,X,Y,Z):-
N>1,
M is N-1,
move(M,X,Z,Y),
move(1,X,Y,_),
move(M,Z,Y,X). |
```

SWI-Prolog (AMD64, Multi-threaded, version 9.0.4)

File Edit Settings Run Debug Help

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For online help and background, visit <https://www.swi-prolog.org>

For built-in help, use ?- help(Topic). or ?- apropos(Word).

?-

% d:/shubham/tower.pl compiled 0.00 sec, 2 clauses

?- move(3, source, destination, intermediate).

Move top disk from source to destination

Move top disk from source to intermediate

Move top disk from destination to intermediate

Move top disk from source to destination

Move top disk from intermediate to source

Move top disk from intermediate to destination

Move top disk from source to destination

true|