## **Documentation**

The sample output for few cases is as given below:

```
deepdesai:prolog deep$ swipl
Welcome to SWI-Prolog (Multi-threaded, 64 bits, Version 6.6.6)
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Please visit http://www.swi-prolog.org for details.
For help, use ?- help(Topic). or ?- apropos(Word).
?- ['ai'].
% ai compiled 0.00 sec, 16 clauses
?- path(m,s,P).
P = [m, p, s].
?- path(p,a,P).
false.
?- path(p,q,P).
false.
?- path(p,s,P).
P = [p, s].
?- path(m,q,P).
P = [m, q].
?-
```