

# EXPERIMENT-26

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Course: CSA1789 Artificial Intelligence

Q) Write a Prolog Program to Sum the Integers from 1 to n.

PROGRAM:

sum(N, Sum) :-

Sum is (N + 1) \* N / 2.

OUTPUT:



```
SWI-Prolog (AMD64, Multi-threaded, version 9.0.4)
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For built-in help, use ?- help(Topic), or ?- apropos(Word).

?-
?- e:\College\AI\sum of integers.pl compiled 0.00 sec, 1 clauses
?- sum(10, Sum).
Sum = 55.
?- sum(15, Sum).
Sum = 120.
?-
```