EXPERIMENT – 17 Prolog: Sum integers 1..N

AIM:

Sum 1..N using recursion.

PROLOGY:

% sum\_to\_n.pl

sum\_to\_n(0,0).

sum\_to\_n(N,Sum) :- N>0, N1 is N-1, sum\_to\_n(N1,S1), Sum is S1+N.

QUERY:

?- sum\_to\_n(5,S).

S = 15.