**Staircase**

A child is running up a staircase with N steps, and can hop either 1 step, 2 steps or 3 steps at a time. Implement a method to count how many possible ways the child can run up to the stairs. You need to return number of possible ways W.

Solution:

int staircase(int n){

if(n==0)

return 1;

if(n==1)

return 1;

if(n==2)

return 2;

else

return staircase(n-1)+staircase(n-2)+staircase(n-3);

}