#include<iostream>

namespace series

{

// fabonacci seris

void fabonacci(int n) {

int a = 0, b = 1;

for (int i = 1; i <= n; ++i)

{

std::cout << a << " ";

int c = a + b;

a = b;

b = c;

}

std::cout <<std::endl;

}

}

//function to returnthe factorial of a number

int fact(int n)

{

if(n==0 || n == 1) return 1;

else

return n \* fact(n-1);

}