#include <iostream>

using namespace std;

int main(){

int n = 10;

int a = 0;

int b = 1;

int fib[n];

for(int i=0; i<n; ++i){

int result = a+b;

fib[i] = a;//

cout<<a<<" ";

a = b;

b = result;

}

for(int i =0; i<n;++i)

cout<<fib[i]<<" ";

return 0;

}