//Task1 (A)

import java.util.Scanner;

public class Task{

public static void main(String [] args){

Scanner sc = new Scanner(System.in);

System.out.println("Enter your limit :");

int N = sc.nextInt();

oneToN(1,N);

}

public static void oneToN (int n ,int N){

if (n == N){

System.out.println(N);

return;

}

System.out.print( n + " ");

oneToN (n+1, N);

}

}

//Task1(B)

import java.util.Scanner;

public class Task{

public static void main(String [] args){

Scanner sc = new Scanner(System.in);

System.out.println("Enter your limit :");

int N = sc.nextInt();

nToOne(1,N);

}

public static void nToOne (int n ,int N){

if (N == n){

System.out.println(N);

return;

}

System.out.print( N + " ");

nToOne (n , N-1);

}

}

//Task1(C)

import java.util.Scanner;

public class Task{

public static void main(String [] args){

Scanner sc = new Scanner(System.in);

System.out.println("Enter your limit :");

int N = sc.nextInt();

System.out.println(recursiveSum(1,N));

}

public static int recursiveSum(int n,int N){

if (n == N){

return N;

}

return n + recursiveSum(n+1 , N);

}

}

//Task 2

import java.util.Scanner;

public class Task{

public static void main(String [] args){

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number :");

int n = sc.nextInt();

reverseDigits(n);

}

public static void reverseDigits(int n1){

if (n1 == 0){

return ;

}

else{

System.out.println ( n1%10);

}

reverseDigits(n1/10);

}

}

//Task 3

import java.util.Scanner;

public class Task{

public static void main(String [] args){

Scanner sc = new Scanner(System.in);

System.out.println("Enter a number :");

int n = sc.nextInt();

int x = sumDigits(n);

System.out.println(x);

}

public static int sumDigits(int N){

if (N == 0){

return 0 ;

}

return N%10 + sumDigits(N/10);

}

}

//Task 4

import java.util.Scanner;

public class Task{

public static void main(String [] args){

System.out.println(reverse\_string("Hello", 0))

}

public static String revese\_string(String s){

int leng = s.length();

String new = " ";

if (leng == 0){

return s ;

}

return reverse\_string(

}

}