/\* Java program to calculate Permutation and Combination of 2 numbers\*/

import java.util.Scanner;

public class nprandncr {

public static int fact(int num)

{

int fact=1, i;

for(i=1; i<=num; i++)

{

fact = fact\*i;

}

return fact;

}

public static void main(String args[]){

int n, r;

Scanner scan = new Scanner(System.in);

System.out.print("Enter Value of n : ");

n = scan.nextInt();

System.out.print("Enter Value of r : ");

r = scan.nextInt();

System.out.print("NCR = " +(fact(n)/(fact(n-r)\*fact(r))));

System.out.print("nNPR = " +(fact(n)/(fact(n-r))));

}

}