import java.util.Scanner;

class RatanPrajapati\_day4 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        int num = sc.nextInt();

        if(num >0){

            System.out.println("Positive number");

        }else if(num < 0){

            System.out.println("Negative number");

        }else{

            System.out.println("Neither positive nor negative");

        }

    }

}