**package** recursion;

**public** **class** RecursionPractice1 {

**static** **int** *rev*=0;

**static** **void** reverse(**int** n) {

**if**(n==0)

**return**;

*rev*=*rev*\*10+n%10;

System.***out***.println(*rev*);

*reverse*(n/10);

}

/\*static int reverse(int n) {

int digits=(int)(Math.log(n))+1;

return helper(n,digits);

}

static int helper(int n,int digits) {

if(n==0)

return 0;

return n%10\*(int)Math.pow(10, digits)+helper(n/10,digits-1);

} \*/

**static** **void** printNums(**int** n) {

**if**(n==0)

**return** ;

System.***out***.println(n);

*printNums*(n-1);

System.***out***.println(n);

}

**static** **boolean** isSorted(**int**[] arr) {

**if**(arr.length==1)

**return** **true**;

**return** *helper*(1,arr);

}

**static** **boolean** helper(**int** index,**int**[] arr) {

**if**(index==arr.length)

**return** **true**;

**return** arr[index]>arr[index-1]&&*helper*(index+1,arr);

}

// Removing character in a string

**static** String *skipRes*="";

**static** String skip(String str,**char** c) {

**if**(str=="")

**return** *skipRes*;

**char** ch=str.charAt(0);

**if**(ch!=c) {

*skipRes*+=ch;

**return** *skip*(str.substring(1),c);

}

**return** *skip*(str.substring(1),c);

}

**public** **static** **void** main(String[] args) {

// printNums(5);

//reverse(234);

//System.out.println(rev);

//int[] arr= {1,3,8,7,9,23,56};

// System.out.println(isSorted(arr));

System.***out***.println(*skip*("vignan",'n'));

}

}