**package** viet;

**import** java.util.Scanner;

**public** **class** Mang {

**static** **int**[] Sapxep(**int** a[])

{

**for** (**int** i = 0; i<a.length -2; i++){

**for** (**int** j = a.length - 1; j>i; j--){

**if** (a[j] < a[j - 1]){

**int** c = a[j];

a[j] = a[j - 1];

a[j - 1] = c;

}

}

}

**return** a;

}

**static** **void** inmang(**int** [] array) {

**for**(**int** i=0; i<array.length; i++) {

System.***out***.print(array[i]+ "\t");

}

}

**static** **int**[] nhapMang(**int** n) {

**int** [] array = **new** **int**[n];

**for**(**int** i=0; i<array.length; i++) {

System.***out***.println("Nhap phan tu " + (i+1) + " = ");

array[i] = **new** Scanner(System.***in***).nextInt();

}

**return** array;

}

**static** **boolean** test(**int** []a, **int** n) {

**for**(**int** i=0; i<a.length; i++) {

**if**(a[i]==n)

**return** **true**;

}

**return** **false**;

}

**static** **int** timkiem(**int** []a, **int** n) {

**for**(**int** i=0; i<a.length; i++) {

**if**(a[i]==n) {

**return** i;

}

}

**return** 0;

}

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

System.***out***.print("Nhap So Luong Mang = ");

**int** n = 0;

**while**(**true**) {

n = **new** Scanner(System.***in***).nextInt();

**if**(n >0) **break**;

**else**

System.***out***.println("Moi Nhap Lai So Luong Mang ");

}

**int** [] array = *nhapMang*(n);

System.***out***.println("\nMang khi chua xap xep : ");

*inmang*(array);

array = *Sapxep*(array);

System.***out***.println("\nMang khi xap xep tang dan");

*inmang*(array);

System.***out***.println("\nNhap so can tim kiem");

**int** k = **new** Scanner(System.***in***).nextInt();

**if**(*test*(array, k))

System.***out***.println("Ton tai so Can Tim " + k + " o vi tri " + *timkiem*(array, k));

**else**

System.***out***.println("Khong co so can tim trong mang ");

}

}