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1.
```
package bai1;
import java.util.Scanner;
public class bai1 {
    public static void main(String[]args){
        Scanner sc = new Scanner(System.in);
        System.out.println("Nhap a:");
        double a = sc.nextDouble();
        System.out.println("Nhap b:");
        double b= sc.nextDouble();
        System.out.println("Tong: "+(a+b));
        System.out.println("Hieu: "+(a-b));
        System.out.println("Tich = "+(a*b));
        if(b!=0){
            System.out.println("thuong:"+(a/b));
        }else{
            System.out.println("Khong");
        }
        sc.close();
    }
}
```

2.
```
package bai2;
import java.util.Scanner;
public class bai2 {
    public static void main (String[] args){
        Scanner sc = new Scanner (System.in);
        System.out.println (" Nhap a : ");
        double a = sc.nextDouble();
        System.out.println (" Nhap b : ");
        double b = sc.nextDouble();
        if (a !=0) {
            System.out.println (" Phuong trinh co
nghiem duy nhat x = " + (-b / a));
        }
        else {
            if (b==0) {
                System.out.println (" PT vo so nghiem");
            }
            else {
                System.out.println (" PT vo nghiem");
            }
        sc.close();
    }
}
```

$a \neq 0 \Rightarrow$ 1 nghiệm: $\frac{-b}{a}$

$a = 0$: $b = 0 \Rightarrow$ vô số nghiệm
$b \neq 0 \Rightarrow$ vô nghiệm

Bài tập: Viết CT.

1. Nhập mảng
2. Xuất phần tử mảng
3. Tìm vị trí x
4. GTLN
5. GTNN
6. Vị trí của GTLN.
7. Sắp xếp ↑

```
1. import java.util.Scanner;
public class NhapMang {
    public static void main(String[] args)
    { Scanner sc = new Scanner(
System.in)
        System.out.println("Nhap
SL phan tu n: ");
        int n = sc.nextInt[n];
        for(int i=0; i<n; i++){
            System.out.print("Nhap
phan tu thu " + i + ": ");
            arr[i] = sc.nextInt; }}}
```

```
2. public class XuatMang{
    public static void xuatMang(int[] arr) {
        System.out.println("Cac phan tu trong mang:");
        for(int x:arr){
            System.out.println(x + " "); }
        System.out.println(); }
```

```
3. public static void timVT(int[] arr, int x){
        boolean found = false;
        for(int i=0; i<arr.length; i++){
            if(arr[i] == x){
                System.out.println("Tim "+x+" o vi tri "+i);
                found = true;
            }
        }if(!found) System.out.println("Khong thay trong mang");
}
```

4. public static int timMax (int[] arr){
int max = arr[0];
for (int i = 1; i < arr.length; i++){
if (arr[i] > max){
max = arr[i];
}
}
return max;
}

5 public static int ~~int~~ timMin (int[] arr){
int min = arr[0];
for (int i = 1; i < arr.length; i++){
if (arr[i] < min){
min = arr[i];
}
}
return min;
}

6. public static void timVTMax (~~int~~ [] arr){
int ~~VTM~~ vtmax = 0;
for (int i = 1; i < arr.length; i++){
if (arr[i] > arr[vtmax]){
vtmax = i;
}
}
System.out.println("VT phan tu lon nhat: " + vtmax

7. public static void sapXep (int[] arr){
for (int i=0; i < arr.length -1; i++){
for (int j = i+1; j < arr.length; j++) {
if (arr[i] > arr[j]) {
int temp = arr[i];
arr[i] = arr[j];
arr[j] = temp;
}
}
}
System.out.println("Mang da sap xep xong");
}