

Reference Problems

```
public static void main1() {
    int[] arrayA = new int[] {10, 20};
    int[] arrayB = new int[] {30, 40};
    arrayA[0]++;
    arrayA = arrayB;
    arrayA[0]++;
    System.out.println(Arrays.toString(arrayA));
    System.out.println(Arrays.toString(arrayB));
}
```

```
public static void main2() {
    int[] arrayA = new int[] {10, 20};
    int[] arrayB = new int[] {30, 40};
    int[] arrayC = arrayA;
    arrayC[0]++;
    arrayC[1]--;
    arrayC = arrayB;
    arrayC[0]++;
    arrayC[1]--;
    System.out.println(Arrays.toString(arrayA));
    System.out.println(Arrays.toString(arrayB));
    System.out.println(Arrays.toString(arrayC));
}
```

```
public static void main3() {
    int[] arrayA = new int[] {10, 20};
    int[] arrayB = new int[] {30, 40};
    arrayA[0] = arrayB[1];
    int[] arrayC = new int[] {50, 60};
    arrayA = arrayC;
    arrayC[0] = arrayB[0];
    System.out.println(Arrays.toString(arrayA));
    System.out.println(Arrays.toString(arrayB));
    System.out.println(Arrays.toString(arrayC));
}
```

```
public static void main4() {
    int[] arrayA = new int[] {10, 20};
    function1(arrayA);
    System.out.println(Arrays.toString(arrayA));
}
```

```
public static void function1(int[] arrayB) {
    arrayB[0]++;
    arrayB = new int[] {50, 60};
}
```

```
public static void main5() {
    int[] arrayA = new int[] {10, 20};
    int[] arrayB = function2(arrayA);
    System.out.println(Arrays.toString(arrayA));
    System.out.println(Arrays.toString(arrayB));
}
```

```
public static int[] function2(int[] arrayB) {
    arrayB[0]++;
    arrayB = new int[] {50, 60};
    return arrayB;
}
```