Java Program to copy all elements of one array into another array

```
1 import java.util.*;
 3 class Task_arr{
 4
       static int number;
5⊜
       public static void main(String args[]) {
6
           Scanner g = new Scanner(System.in);
           System.out.println("Enter the size value of the array: ");
8
           number = c.nextInt();
9
           int arr[] = new int[number];
10
           int b[]=new int[number];
11
           System.out.println("Enter the array Elements in the array arr[]: ");
12
           for(int i=0;i<number;i++) {</pre>
13
                arr[i]=c.nextInt();
14
                b[i]=arr[i];
15
16
           System.out.println("Printing values in b[]: ");
17
           for(int i=0;i<number;i++) {</pre>
18
                System.out.println(b[i]);
19
20
       }
21 }
```

Java Program to find the frequency of each element in the array

...Program finished with exit code 0
Press ENTER to exit console.

```
/*** array programs */
         import java.util.*;
         class Main{
                static int number;
static int count;
                public static void main(String args[]){
   System.out.println("Enter the Array size: ");
   Scanner c = new Scanner(System.in);
   number = c.nextInt();
   int arr[]= new int[number];
                       for(int i = 0;i<number;i++){
    arr[i]=c.nextInt();</pre>
                        Arrays.sort(arr);
                        System.out.println("The frequency of the elements in array: ");
                        for(int i=0;i<number;i++){</pre>
                               \begin{array}{lll} \text{count=1;} \\ \text{while (i + 1 < number \&\& arr[i] == arr[i + 1]) \{} \end{array}
                                     count++;
                               }
System.out.println("Frequency of the element "+arr[i]+" is: " + count);
  32
33
34
 5 class Main{
                                                                                                                                          input
Enter the Array size:
The frequency of the elements in array:
Frequency of the element 1 is: 3
Frequency of the element 2 is: 1
Frequency of the element 3 is: 1
Frequency of the element 4 is: 1
```

```
import java.util.*;

class Main{
    static int number;
    static int rotate;

public static void main(string args[]){
    vestem.out.println("Enter the size of the array: ");
    Scanner c = new Scanner(System.in);
    number = c.nextInt();
    System.out.println(Enter the rotation count: ");
    rotate = c.nextInt();
    int arr[] = new int[number];
    int temp[]=new int[number];
    int temp[]=new int[rotate];

    for (int i=0;i:number;i++){
        arr[i]=c.nextInt();
    }

    for (int i=0;i:number-rotate;i++){
        arr[i]=arr[i]:
    }
    for (int i=0;i:number-rotate;i++){
        arr[i]=arr[i-rotate];
    }
    for (int i=0;i:number-rotate;i++){
        arr[i]=arr[i-rotate];
    }
    for (int i=0;i:number:+){
        arr[number - rotate + i] = temp[i];
    }
    system.out.println(" ");
    System.out.println(" After Rotation: ");
    for (int i=0;i:number:i+-){
        arr[u.number:i--);
        int i=0;i:number:i--);
        int i=0;i:number:i--);
    }
}
```

```
input
Enter the size of the array:

5
Enter the rotation count:

3
1
2
3
4
5
After Rotation:
4
5
1
2
3
3
```

...Program finished with exit code 0
Press ENTER to exit console.

```
import java.util.";

class Printing error "/

public static void main("ring args[]){

public static void main("ring args]){

publ
```

Java Program to print the elements of an array in reverse order

```
Enter the size of the array:

Enter the array elements:

1
2
3
4
5
5
4
3
2
1
...Program finished with exit code 0
Press ENTER to exit console.
```

Java Program to print the elements of an array present on even position

```
| Simple | S
```

Java Program to print the elements of an array present on odd position

```
Enter the size of the array:

Enter the array elements:

1
2
3
4
5

Elements present in even position
2
4
...Program finished with exit code 0
Press ENTER to exit console.
```

```
Main.java :
    1-/*** Largest element in an array */
2- import java.util.*;
3- class Main{
4 static int number;
            public static void main(String args[]){
                System.out.println("Enter the size of the Array: ");
Scanner c = new Scanner(System.in);
number = c.nextInt();
int a[] = new int[number];
                 for(int i=0;i<number;i++){</pre>
                      a[i]=c.nextInt();
                m.out.println("\n Largest number in the array is: " + max);
 v 🖍 🖭 🌣 🔅
                                                                                   input
 Largest number in the array is: 21
 ...Program finished with exit code 0
Press ENTER to exit console.
input
5
5
4
3
21
 Largest number in the array is: 21
...Program finished with exit code 0
Press ENTER to exit console.
```

Java Program to print the smallest element in an array

```
input

Enter the size of the Array:

5
3
2
5
4
1
1
Smallest number in the array is: 1

...Program finished with exit code 0

Press ENTER to exit console.
```

```
import java.util.*;

class Main{
    static int number;

public static void main(String args[]){

    System.out.println("Enter the size of the Array: ");

    Scanner c = new Scanner(System.in);
    number = c.nextInt();
    int a[]= new int[number];

for(int i=0;i<number;i++){
    a[i]=c.nextInt();
}

System.out.println("No of inputs inside the array is: "+a.length);
}

System.out.println("No of inputs inside the array is: "+a.length);
}</pre>
```

```
Enter the size of the Array:

5
1
2
3
4
5
No of inputs inside the array is: 5

...Program finished with exit code 0

Press ENTER to exit console.
```

Java Program to print the sum of all the items of the array

```
Input

Enter the size of the Array:

1
2
3
4
5
sum of the elements in the array: 15

...Program finished with exit code 0

Press ENTER to exit console.
```

```
input

Enter the size of the Array:

5

22

33

44

55

66

Even numbers from the array are:
22

44

66

odd numbers from the array are:
33

...Program finished with exit code 0

Press ENTER to exit console.
```

```
Enter the size of the Array:

6

6

23

54

66

24

6

6

23

24

54

68

...Program finished with exit code 0

Press ENTER to exit console.
```

Java Program to sort the elements of an array in ascending order

```
Input
Enter the size of the Array:

5

22
26
58
95
75
75
75
95
...Program finished with exit code 0
Press ENTER to exit console.
```

Java Program to sort the elements of an array in descending order

```
5 - class Main(

y y 5 4 4 input

Enter the size of the Array:
5

99

97

94

57

64

99

94

87

64

57

... Program finished with exit code 0

Press ENTER to exit console.
```

Java Program to Find 2nd Largest Number in an array

```
input

Enter the size of the Array:

5
1
2
3
4
5
Second Largest number in the array is: 4
...Program finished with exit code 0
Press ENTER to exit console.
```

```
3 import java.util.*;
 5 class Main{
           static int number;
           public static void main(String args[]){
                 System.out.println("Enter the size of the Array: ");
Scanner c = new Scanner(System.in);
                 number = c.nextInt();
int a[]= new int[number];
                 for(int i=0;i<number;i++){</pre>
                       a[i]=c.nextInt();
                 int max=a[0];
int second_max=a[0];
                 int third_max=a[0];
for(int i=0;i<number;i++){</pre>
                             if(a[i]>max){
    max = a[i];
24
25
                 for(int i=0;i<number;i++){
    if(a[i]!=max && a[i]>second_max){
        second_max=a[i];
                 }
for(int i=0;i<number;i++){
    if(a[i]!=max && a[i]!=second_max && a[i]>third_max){
        third_max=a[i];
}
                       }
                                  out.println("\n Third Largest number in the array is: " + third max):
```

```
input

Enter the size of the Array:

5

1

2

3

4

5

Third Largest number in the array is: 3

...Program finished with exit code 0

Press ENTER to exit console.
```

```
input

Enter the size of the Array:

5
65
32
98
45
21
Second Smallest number in the array is: 32

...Program finished with exit code 0
Press ENTER to exit console.
```