

J day12.java	J SecondLargest.java 1 X	J digitsum.java	J arraysum.java 1	J day08.java 1	J strongnum.java 1
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```
J SecondLargest.java > SecondLargest > main(String[])
1  import java.util.*;
2  public class SecondLargest {
    Run | Debug
3      public static void main(String[] args) {
4          Scanner sc = new Scanner(System.in);
5          System.out.println(x:"enter the araay length");
6          int n = sc.nextInt();
7          int arr[] = new int[n];
8          System.out.println(x:"enter the array elements");
9          for(int i =0;i < n;i++){
10             arr[i] = sc.nextInt();
11         }
12         for(int i =0; i < n; i++){
13             System.out.print(arr[i] + " ");
14         }
15         System.out.println(x:"Descending order");
16         for(int i =0; i < arr.length-1;i++){
17             for(int j=0; j < arr.length-1-i ;j++){
18                 if(arr[j] < arr[j+1]){
19                     int temp = arr[j+1];
20                     arr[j+1] = arr[j];
21                     arr[j] = temp;
22                 }
23             }
24         }
25         for(int i =0; i < arr.length;i++){
26             System.out.println( arr[i] );
27         }
28         int secondbiggest = arr[1];
29         System.out.println("the second largest" + " "+secondbiggest);
30     }
31 }
```

PROBLEMS 11	OUTPUT	DEBUG CONSOLE	TERMINAL	PORTS
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```
enter the array length
4
enter the array elements
20
1
75
98
20 1 75 98 Descending order
98
75
20
1
the second largest 75
PS D:\Cooperate problems>
```

2.SECOND SMALLEST

J SecondSmallest.java > SecondSmallest > main(String[])

```
1  import java.util.Scanner;
2
3  public class SecondSmallest {
    Run | Debug
4      public static void main(String[] args) {
5          Scanner sc = new Scanner(System.in);
6          System.out.println(x:"enter the araay length");
7          int n = sc.nextInt();
8          int arr[] = new int[n];
9          System.out.println(x:"enter the array elements");
10         for(int i =0;i < n;i++){
11             arr[i] = sc.nextInt();
12         }
13         for(int i =0; i < n; i++){
14             System.out.print(arr[i] + " ");
15         }
16         System.out.println();
17         System.out.println(x:"Acending order");
18         for(int i =0;i< arr.length-1;i++){
19             for(int j =0;j < arr.length-1-i;j++){
20                 if(arr[j] > arr[j+1]){
21                     int temp = arr[j+1];
22                     arr[j+1]= arr[j];
23                     arr[j] =temp;
24                 }
25             }
26         }
27         for(int i =0; i < arr.length;i++){
28             System.out.println(arr[i]);
29         }
30         int secondsmallest = arr[1];
31         System.out.println("second smallest" + secondsmallest);
32     }
33 }
34 }
35
36
```

```
User\workspaceStorage\e69c3327493fe52c4cae45bdffcfd645\redhat.java\jdt_ws\Cooperate problems_4ab3e6b7\bin' 'SecondSmallest'  
enter the array length  
5  
enter the array elements  
29  
30  
4  
9  
27  
29 30 4 9 27  
Acending order  
4  
9  
27  
29  
30  
second smallest9
```

REMOVE DUPLICATES

J RemoveDuplicates.java > RemoveDuplicates > main(String[])

```
1  public class RemoveDuplicates {
    Run | Debug
2      public static void main(String[] args) {
3          int arr[] = {12,40,5,12,30};
4          for(int i =0; i< arr.length;i++){
5              for(int j =0; j < arr.length-1-i;j++){
6                  if(arr[j] > arr[j+1]){
7                      int temp = arr[j+1];
8                      arr[j+1] = arr[j];
9                      arr[j] = temp;
10                 }
11             }
12         }
13         for(int i =0;i < arr.length;i++){
14             System.out.println(arr[i]);
15         }
16         int count=0;
17         for(int i= 1;i < arr.length ;i++){
18             if(arr[i] != arr[count]){
19                 count++;
20                 arr[count] = arr[i];
21             }
22         }
23         System.out.println(x:"removed duplicates");
24         for(int i=0; i <=count;i++){
25             System.out.print( arr[i] + " ");
26         }
27     }
28 }
29
30
```

5 12 12 30 40

5

12

12

30

40

removed duplicates

5 12 30 40

RIGHTROTATE

RightRotate.java > RightRotate > main(String[])

```
1  public class RightRotate {
    Run | Debug
2      public static void main(String[] args) {
3          int arr[] = {1,2,3,4,5};
4          int n =2;
5          for(int i =0; i < n ;i++){
6              int last = arr[arr.length-1];
7              for (int j = arr.length - 1; j > 0; j--){
8                  arr[j] = arr[j-1];
9              }
10             arr[0] = last;
11         }
12         for(int i =0; i < arr.length;i++){
13             System.out.println(arr[i]);
14         }
15     }
16 }
17
```

PROBLEMS 12

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

at RightRotate.main(RightRotate.java:8)

PS D:\Cooperate problems> ^C

PS D:\Cooperate problems>

PS D:\Cooperate problems> d:; cd 'd:\Cooperate problems'; &

4

5

1

2

3

PS D:\Cooperate problems>

LEFT ROTATE

LeftRotate.java > LeftRotate > main(String[])

```
1 public class LeftRotate {
    Run | Debug
2     public static void main(String[] args) {
3         int arr[] = {1,2,3,4,5};
4         int n = 2;
5         for(int i =0; i <n ;i++){
6             int first=arr[0];
7             int j;
8             for(j =0; j < arr.length-1;j++){
9                 arr[j] = arr[j+1];
10            }
11            arr[j] = first;
12        }
13        for(int i =0; i < arr.length;i++){
14            System.out.println(arr[i]);
15        }
16    }
17 }
18 }
19
```

PROBLEMS 12 OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

User\workspaceStorage\e69c3327493fe52c4cae45bdffcfd645\re
3
4
5
1
2

MERGED ARRAY

J MergeArray.java > MergeArray > main(String[])

```
1 public class MergeArray {
    Run | Debug
2     public static void main(String[] args) {
3         int arr1[] = {1,2,3,4,5};
4         int arr2[] = {6,7,8,9,10};
5         int total = arr1.length + arr2.length;
6         int merged[] = new int[total];
7         for(int i =0; i < arr1.length;i++){
8             merged[i] = arr1[i];
9         }
10        for(int i =0; i < arr2.length;i++){
11            merged[arr1.length + i] = arr2[i];
12        }
13        for(int i=0;i < total-1; i++){
14            System.out.println(merged[i]);
15        }
16    }
17 }
18
19
```

PROBLEMS 12

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

1
2
3
4
5
6
7
8
9

PS D:\Cooperate problems>



SWAP FIRST AND LAST :

ay11.java 1

J day12.java

J SecondLargest.java 1

J SecondSm

J Swap.java >  Swap >  main(String[])

```
1 public class Swap {
    Run | Debug
2     public static void main(String[] args) {
3         int arr[] = {1,2,3,4,5};
4         for(int i =0 ; i< arr.length; i++){
5             int temp = arr[0];
6             arr[0] = arr[arr.length-1];
7             arr[arr.length-1] = temp;
8         }
9         for(int i =0;i < arr.length ; i++){
10            System.out.println(arr[i]);
11        }
12    }
13 }
14
```

PROBLEMS 12

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

5
2
3
4
1

COMPARE TWO ARRAYS

```
J CompareArray.java > CompareArray > compararray(int[], int[])
1 public class CompareArray {
2     public static boolean compararray(int arr1[], int arr2[]) {
3         if(arr1.length != arr2.length){
4             return false;
5         }
6         for(int i = 0; i < arr1.length; i++){
7             if(arr1[i] != arr2[i]){
8                 return false;
9             }
10        }
11        return true;
12    }
13    Run | Debug
14    public static void main(String[] args) {
15        int arr1 []= {1,2,3,4,5};
16        int arr2[] = {1,2,3,4,5};
17        System.out.println(compararray(arr1, arr2));
18    }
19 }
20 }
21 }
```

PROBLEMS 12 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\Cooperate problems> ^C
PS D:\Cooperate problems>
PS D:\Cooperate problems> d:; cd 'd:\Cooperate problems'; & 'C:\Program Files\Java\jdk
Users\91950\AppData\Roaming\Code\User\workspaceStorage\e69c3327493fe52c4cae45bdffcf645\r
true
```

EVEN AND ODD POSITION

```

1  public class Position {
2      public void evenposition(int arr[]){
3          int even[] = new int[arr.length];
4          int count = 0;
5          for(int i=0; i < arr.length;i++){
6              if(i%2 == 0){
7                  even[count] = arr[i];
8                  count++;
9              }
10         }
11         System.out.println(x:"even position");
12         for(int i =0; i < count ; i++){
13             System.out.println(even[i]);
14         }
15     }
16     public void oddposition(int arr[]){
17         int odd[] = new int[arr.length];
18         int count = 0;
19         for(int i =0; i < arr.length;i++){
20             if(i % 2 !=0){
21                 odd[count] = arr[i];
22                 count++;
23             }
24         }
25         System.out.println(x:"odd position");
26         for(int i=0;i < count ;i++){
27             System.out.println(odd[i]);
28         }
29     }
30     Run | Debug
31     public static void main(String args[]){
32         int arr[] = {1,2,3,4,5,6};
33         Position element = new Position();
34         element.evenposition(arr);
35         element.oddposition(arr);
36     }

```

```
55274551e52c4ed45baffc7ad45 (fcaadef.java) (jre_ws) (co
```

1

3

5

odd position

2

4

6

PS D:\Cooperate problems>

Even and odd elements

J EvenOdd.java > EvenOdd > even(int[])

```
1 public class EvenOdd {
2
3     public void even(int arr[]) {
4         int newarr[] = new int[arr.length];
5         int count = 0;
6
7         for (int i = 0; i < arr.length; i++) {
8             if (arr[i] % 2 == 0) {
9                 newarr[count] = arr[i];
10                count++;
11            }
12        }
13
14        System.out.print(s:"Even elements:");
15        for (int i = 0; i < count; i++) {
16            System.out.print(newarr[i] + " ");
17        }
18        System.out.println();
19    }
20
21    public void odd(int arr[]) {
22        int newarr[] = new int[arr.length];
23        int count = 0;
24
25        for (int i = 0; i < arr.length; i++) {
26            if (arr[i] % 2 != 0) {
27                newarr[count] = arr[i];
28                count++;
29            }
30        }
31
32        System.out.print(s:"Odd elements: ");
33        for (int i = 0; i < count; i++) {
34            System.out.print(newarr[i] + " ");
35        }
36        System.out.println();
37    }
```

```
38 |  
    Run | Debug  
39 | public static void main(String[] args) {  
40 |     EvenOdd element = new EvenOdd();  
41 |     int[] arr = {12, 7, 9, 4, 15, 8, 3, 6, 11, 2};  
42 |  
43 |     element.even(arr);  
44 |     element.odd(arr);  
45 | }  
46 | }
```

PROBLEMS 12

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

Even elements:12 4 8 6 2

e' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\9195
ws\Cooperate problems_4ab3e6b7\bin' 'EvenOdd'

Even elements:12 4 8 6 2

Odd elements: 7 9 15 3 11