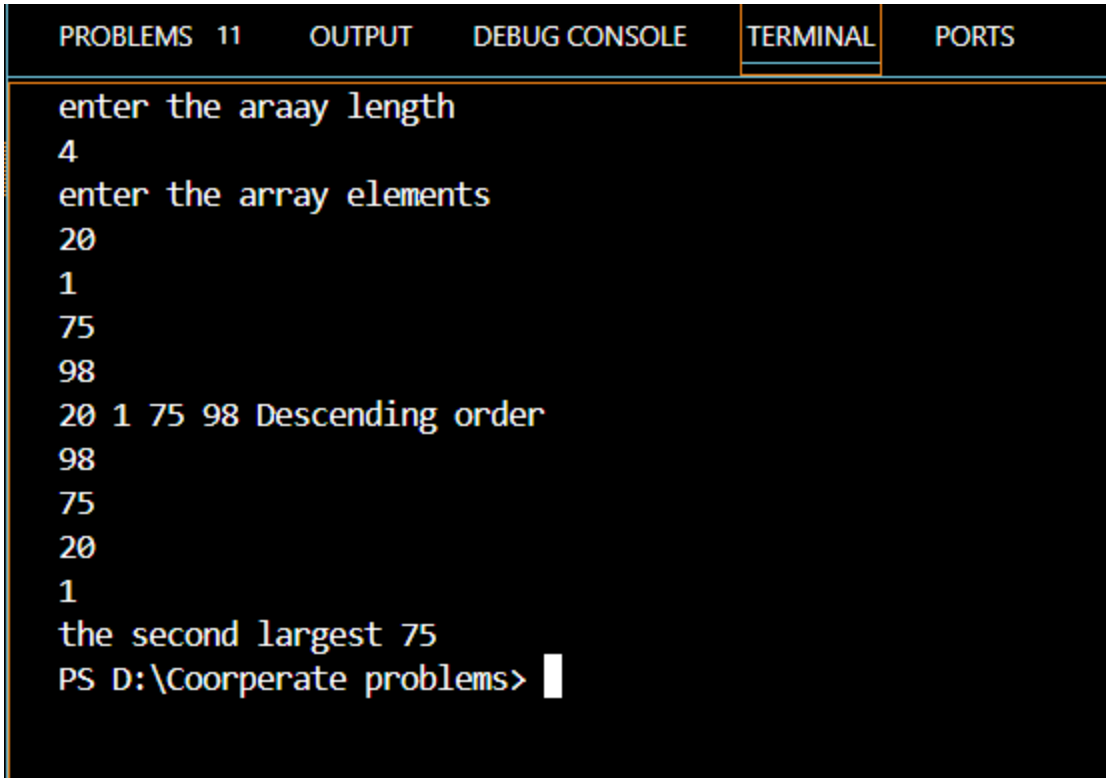
day12.java | SecondLargest.java 1 | digitsum.java | arraysum.java 1 | day08.java 1 | strongnum.java 1

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

```java
import java.util.*;
public class SecondLargest {
    Run | Debug
    public static void main(String[] args) {
    Scanner sc = new Scanner(System.in);
    System.out.println(x:"enter the araay length");
    int n = sc.nextInt();
    int  arr[] = new int[n];
    System.out.println(x:"enter the array elements");
    for(int i =0;i < n;i++){
        arr[i] = sc.nextInt();
    }
    for(int i =0; i < n; i++){
        System.out.print(arr[i] + " ");
    }
    System.out.println(x:"Descending order");
    for(int i =0; i < arr.length-1;i++){
        for(int j=0; j < arr.length-1-i ;j++){
            if(arr[j] < arr[j+1]){
                int temp = arr[j+1];
                arr[j+1] = arr[j];
                arr[j] = temp;
            }
        }
    }
    for(int i =0; i < arr.length;i++){
        System.out.println( arr[i] );
    }
    int secondbiggest = arr[1];
    System.out.println("the second largest" + " "+secondbiggest);
    }
}
```



2.SECOND SMALLEST

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

```java
import java.util.Scanner;

public class SecondSmallest {
    Run | Debug
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
    System.out.println(x:"enter the araay length");
    int n = sc.nextInt();
    int  arr[] = new int[n];
    System.out.println(x:"enter the array elements");
    for(int i =0;i < n;i++){
        arr[i] = sc.nextInt();
    }
    for(int i =0; i < n; i++){
        System.out.print(arr[i] + " ");
    }
    System.out.println();
    System.out.println(x:"Acending order");
    for(int i =0;i< arr.length-1;i++){
        for(int j =0;j < arr.length-1-i;j++){
            if(arr[j] > arr[j+1]){
                int temp = arr[j+1];
                arr[j+1]= arr[j];
                arr[j] =temp;
            }
        }
    }
        for(int i =0; i < arr.length;i++){
            System.out.println(arr[i]);
        }
        int secondsmallest = arr[1];
        System.out.println("second smallest" + secondsmallest);

    }
    }


```

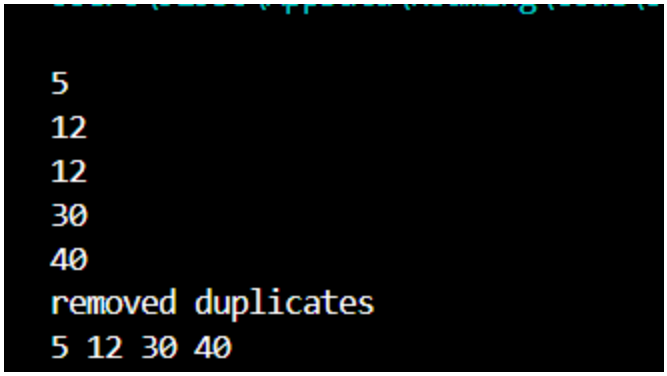
REMOVE DUPLICATES

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

```java
public class RemoveDuplicates {
    Run | Debug
    public static void main(String[] args) {
        int arr[] = {12,40,5,12,30};
        for(int i =0; i< arr.length;i++){
            for(int j =0; j < arr.length-1-i;j++){
                if(arr[j] > arr[j+1]){
                    int temp = arr[j+1];
                    arr[j+1] = arr[j];
                    arr[j] = temp;
                }
            }
        }
        for(int i =0;i < arr.length;i++){
            System.out.println(arr[i]);
        }
        int count=0;
        for(int i= 1;i < arr.length ;i++){
            if(arr[i] != arr[count]){
                count++;
                arr[count] = arr[i];
            }
        }
        System.out.println(x:"removed duplicates");
        for(int i=0; i <=count;i++){
            System.out.print( arr[i] + " ");

        }
    }
}

```



RIGHTROTATE

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

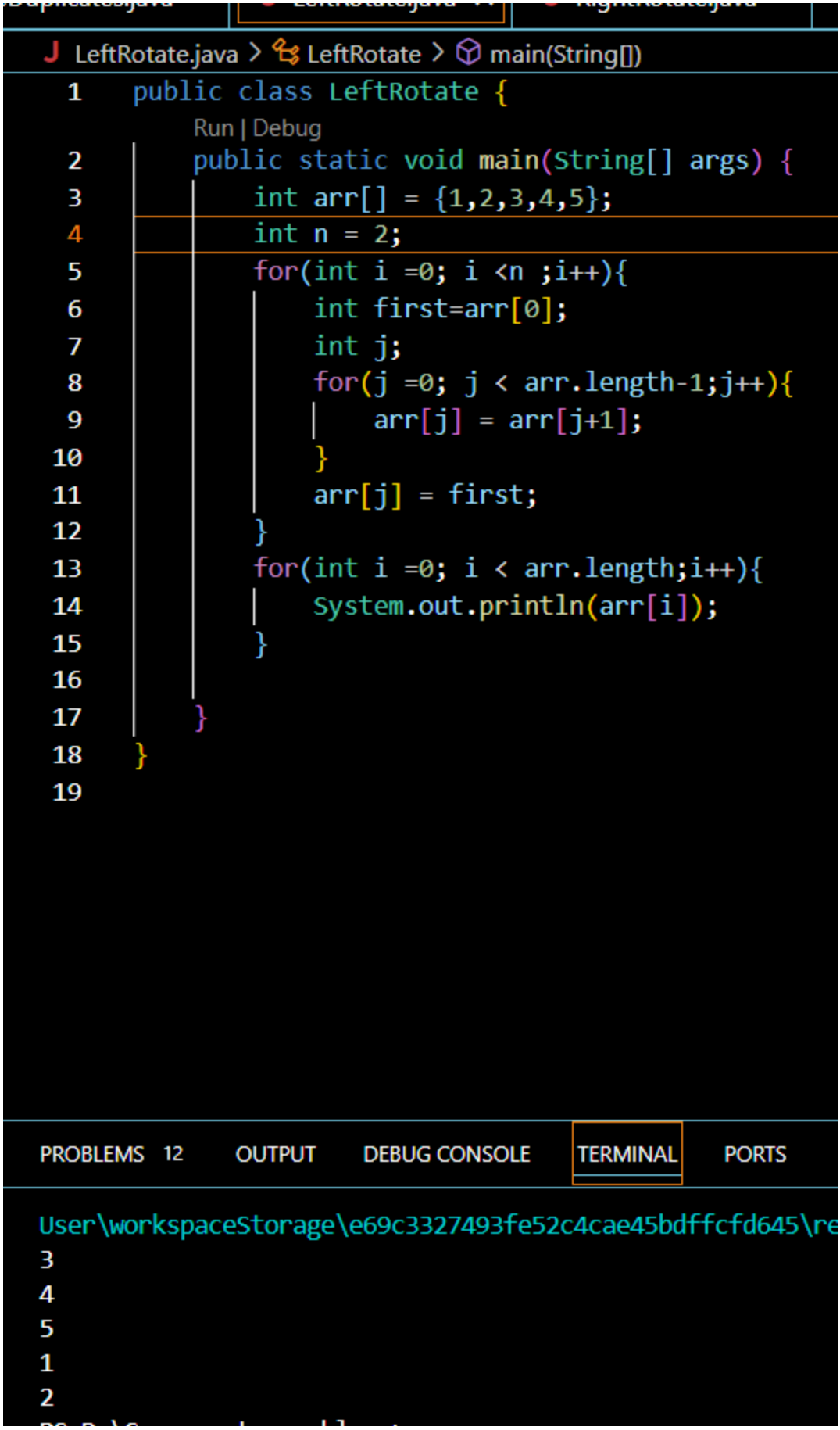
```java
public class RightRotate {
    Run | Debug
    public static void main(String[] args) {
        int arr[] = {1,2,3,4,5};
        int n =2;
        for(int i =0; i < n ;i++){
            int last = arr[arr.length-1];
        for (int j = arr.length - 1; j > 0; j--){
            arr[j] = arr[j-1];
            }
        arr[0] = last;
        }
        for(int i =0; i < arr.length;i++){
            System.out.println(arr[i]);
        }
    }
}

```

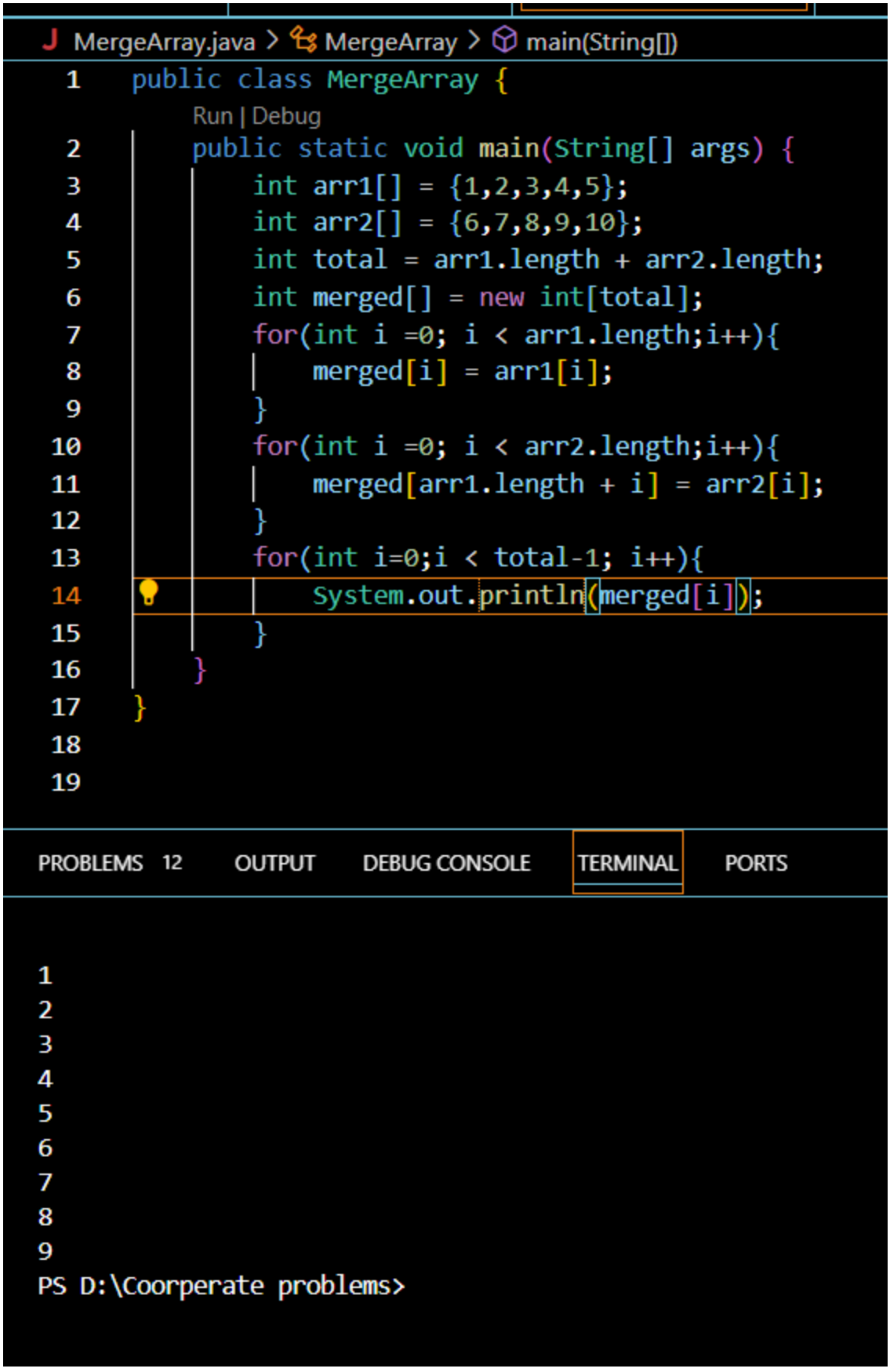
PROBLEMS 12 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
        at RightRotate.main(RightRotate.java:8)
PS D:\Coorperate problems> ^C
PS D:\Coorperate problems>
PS D:\Coorperate problems>  d:; cd 'd:\Coorperate problems'; &
Users\91950\AppData\Roaming\Code\User\workspaceStorage\e69c332
4
5
1
2
3
PS D:\Coorperate problems>
```

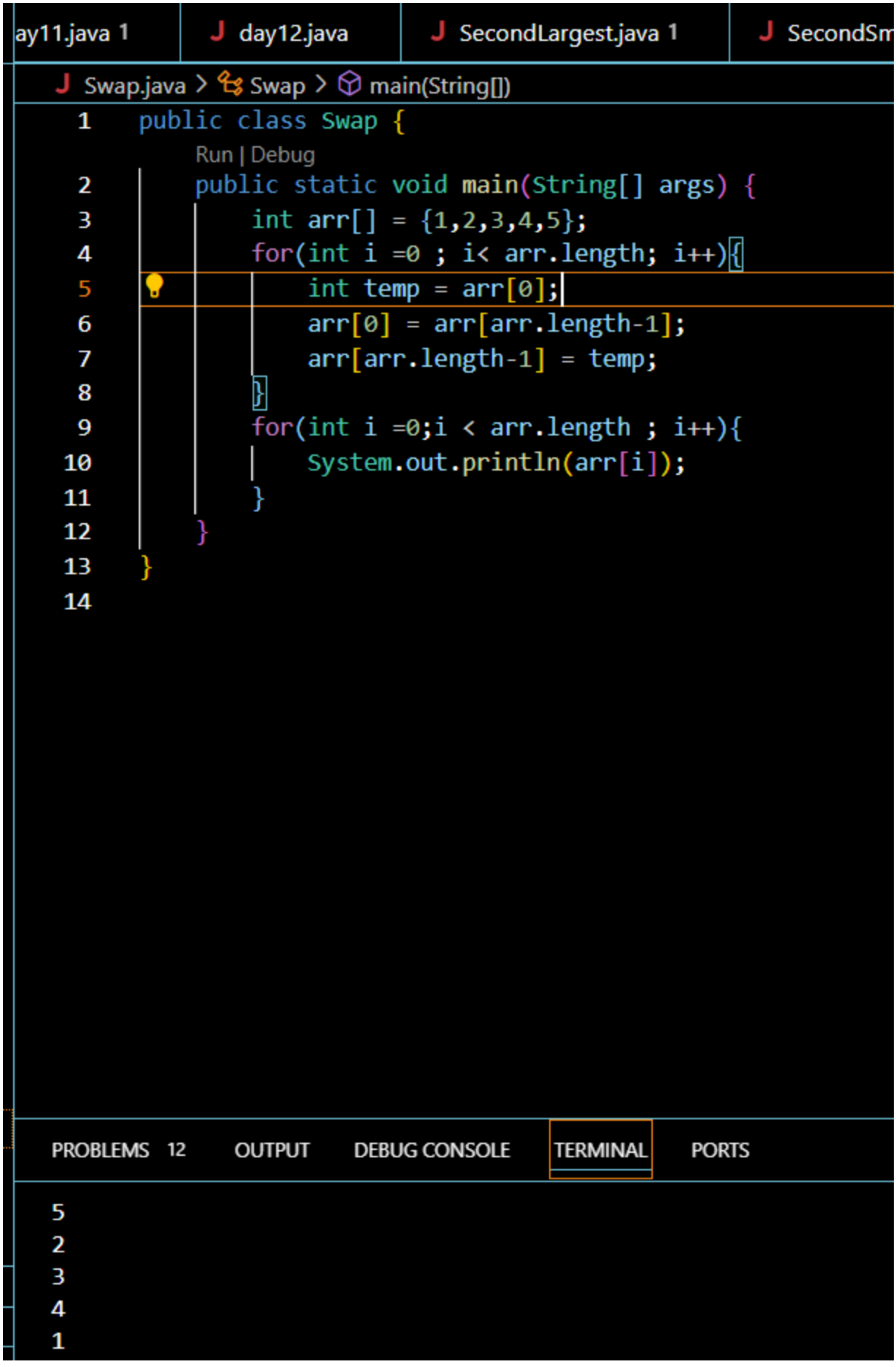
LEFT ROTATE


LeftRotate.java > LeftRotate > main(String[])
public class LeftRotate {
Run | Debug
public static void main(String[] args) {
int arr[] = {1,2,3,4,5};
int n = 2;
for(int i =0; i <n ;i++){
int first=arr[0];
int j;
for(j =0; j < arr.length-1;j++){
arr[j] = arr[j+1];
}
arr[j] = first;
}
for(int i =0; i < arr.length;i++){
System.out.println(arr[i]);
}
}
}
PROBLEMS 12
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
User\workspaceStorage\e69c3327493fe52c4cae45bdffcfd645\re
3
4
5
1
2

MERGED ARRAY


MergeArray.java > MergeArray > main(String[])
public class MergeArray {
Run | Debug
public static void main(String[] args) {
int arr1[] = {1,2,3,4,5};
int arr2[] = {6,7,8,9,10};
int total = arr1.length + arr2.length;
int merged[] = new int[total];
for(int i =0; i < arr1.length;i++){
merged[i] = arr1[i];
}
for(int i =0; i < arr2.length;i++){
merged[arr1.length + i] = arr2[i];
}
for(int i=0;i < total-1; i++){
System.out.println(merged[i]);
}
}
}
PROBLEMS 12
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
1
2
3
4
5
6
7
8
9
PS D:\Coorperate problems>

SWAP FIRST AND LAST :

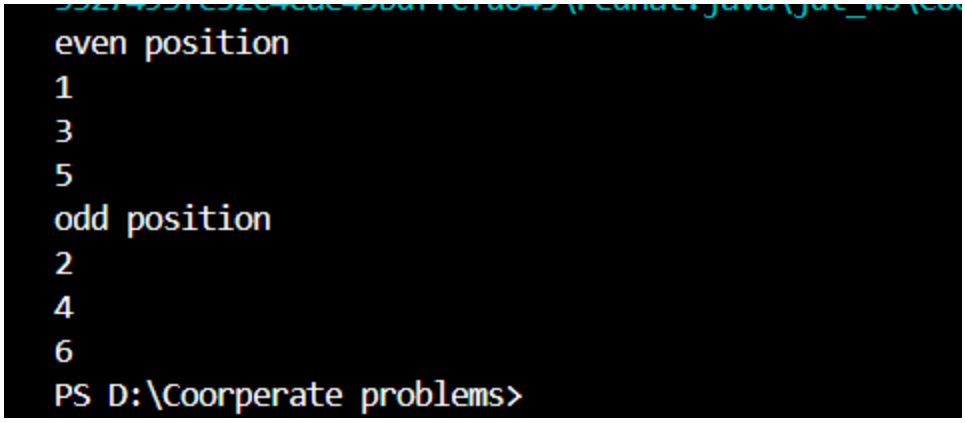

ay11.java 1
day12.java
SecondLargest.java 1
SecondSm
Swap.java > Swap > main(String[])
1 public class Swap {
Run | Debug
2 public static void main(String[] args) {
3 int arr[] = {1,2,3,4,5};
4 for(int i =0 ; i< arr.length; i++){
5 int temp = arr[0];
6 arr[0] = arr[arr.length-1];
7 arr[arr.length-1] = 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

EVEN AND ODD POSITION

```java
public class Position {
    public void evenposition(int arr[]){
        int even[] = new int[arr.length];
        int count = 0;
        for(int i=0; i < arr.length;i++){
            if(i%2 == 0){
                even[count] = arr[i];
                count++;
            }
        }
        System.out.println(x:"even position");
        for(int i =0; i < count ; i++){
            System.out.println(even[i]);
        }
    }
    public void oddposition(int arr[]){
        int odd[]= new int[arr.length];
        int count = 0;
        for(int i =0; i < arr.length;i++){
            if(i % 2 !=0){
                odd[count] = arr[i];
                count++;
            }
        }
        System.out.println(x:"odd position");
        for(int i=0;i < count ;i++){
            System.out.println(odd[i]);
        }
    }
    Run | Debug
    public static void main(String args[]){
        int arr[] ={1,2,3,4,5,6};
        Position element = new Position();
        element.evenposition(arr);
        element.oddposition(arr);

```



Even and odd elements

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

```java
public class EvenOdd {

    public void even(int arr[]) {
        int newarr[] = new int[arr.length];
        int count = 0;

        for (int i = 0; i < arr.length; i++) {
            if (arr[i ]% 2 == 0) {
                newarr[count] = arr[i];
                count++;
            }
        }

        System.out.print(s:"Even elements:");
        for (int i = 0; i < count; i++) {
            System.out.print(newarr[i] + " ");
        }
        System.out.println();
    }

    public void odd(int arr[]) {
        int newarr[] = new int[arr.length];
        int count = 0;

        for (int i = 0; i < arr.length; i++) {
            if (arr[i] % 2 != 0) {
                newarr[count] = arr[i];
                count++;
            }
        }

        System.out.print(s:"Odd elements: ");
        for (int i = 0; i < count; i++) {
            System.out.print(newarr[i] + " ");
        }
        System.out.println();
    }
```


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\Coorperate problems_4ab3e6b7\bin' 'EvenOdd'
Even elements:12 4 8 6 2
Odd elements: 7 9 15 3 11