

Submissions

■ Editorial

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Problem

```
Java (1.8)
                                           Start Timer •
       1 * class Solution {
                  int maxProduct(int[] arr) {
   // code here
   if(arr==null||arr.length==0) return 0;
       2 -
                        int l=arr[0];
int j=arr[0];
int k=arr[0];
      8
                         for(int i=1;i<arr.length;i++)
     10 +
11
                               int num=arr[i];
     12
13 •
                               if(num<0)
     14
15
16
                                     int temp=j;
                                     j=k;
k=temp;
     17
18
19
                                     j=Math.max(num,j*num);
k=Math.min(num,k*num);
l=Math.max(l,j);
d P
     20
21
     22
                               return 1;
     23
      24
                                                                                  Custom Input Compile & Run
```

Stock Buy and Sell - Max one Transaction Allowed □

Accuracy: 49.33%

Submissions: 102K+

Points: 2

Average Time: 10m

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-X-

Given an array prices[] of length n, representing the prices of the stocks on different days. The task is to find the maximum profit possible by buying and selling the stocks on different days when at most one transaction is allowed. Here one transaction means 1 buy + 1 Sell. If it is not possible to make a profit then return 0.

Note: Stock must be bought before being sold.

Examples:

Difficulty: Easy

Input: prices[] = [7, 10, 1, 3, 6, 9, 2]

Output: 8

Explanation: You can buy the stock on day 2 at price = 1 and sell it on day 5 at price = 9. Hence, the profit is 8.

Input: prices[] = [7, 6, 4, 3, 1]

Output: 0

Explanation: Here the prices are in decreasing order, hence if we buy any day then we cannot sell it at a greater price. Hence, the answer is 0.

Input: prices[] = [1, 3, 6, 9, 11]

Output: 10

Explanation: Since the array is sorted in increasing order, we can make

```
// User function Template for Java
     3 - class Solution {
            public int maximumProfit(int prices[]) {
     Δ=
                 // code here
     5
             int minSoFar = prices[0];
     6
            int res =0;
for(int i=1 ;i<prices.length ;i++){
     8 -
                minSoFar = Math.min(minSoFar , prices[i]);
     9
    10
    11
                res = Math.max(res, prices[i] - minSoFar);
    12
    13
            return res;
    14
    15
    16 }
40
```

Custom Input

```
ven an array arr[]. Rotate the array to the left (counter-clockwise direction) by d eps, where d is a positive integer. Do the mentioned change in the array in place. one: Consider the array as circular.

tamples:

Input: arr[] = [1, 2, 3, 4, 5], d = 2

Output: [3, 4, 5, 1, 2]

Explanation: when rotated by 2 elements, it becomes 3 4 5 1 2.

Input: arr[] = [2, 4, 6, 8, 10, 12, 14, 16, 18, 20], d = 3

Output: [8, 10, 12, 14, 16, 18, 20, 2, 4, 6]

Explanation: when rotated by 3 elements, it becomes 8 10 12 14 16 18 20 20 4 6.

Input: arr[] = [7, 3, 9, 1], d = 9

Output: [3, 9, 1, 7]
```

Explanation: when we rotate 9 times, we'll get 3 9 1 7 as resultant array.

Accuracy: 37.06% Submissions: 541K+ Points: 4 Average Time: 20m

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ficulty: Medium

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Reverse an Array 🗆

Average Time: 5m Accuracy: 55.32% Submissions: 208K+ Points: 2

You are given an array of integers arr[]. Your task is to reverse the given array.

Note: Modify the array in place.

Examples:

Difficulty: Easy

Input: arr = [1, 4, 3, 2, 6, 5]Output: [5, 6, 2, 3, 4, 1]

Explanation: The elements of the array are 1 4 3 2 6 5. After reversing the array, the first element goes to the last position, the second element goes to the second last position and so on. Hence, the answer is 5 6 2 3 4 1.

Input: arr = [4, 5, 2]Output: [2, 5, 4]

Explanation: The elements of the array are 4 5 2. The reversed array will be 2 5 4.

Input: arr = [1]

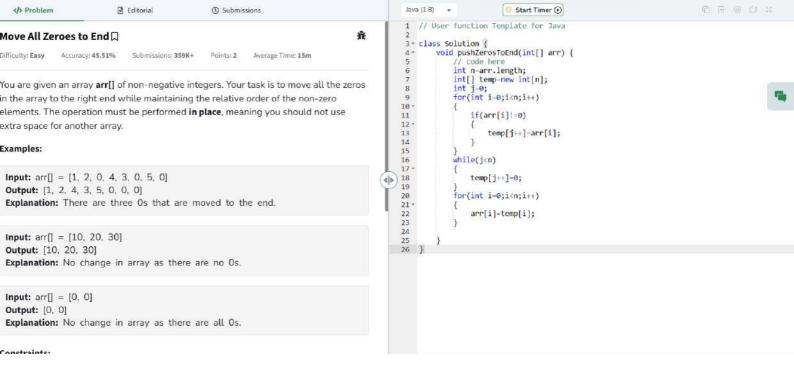
Output: [1] Explanation: The array has only single element, hence the reversed array is

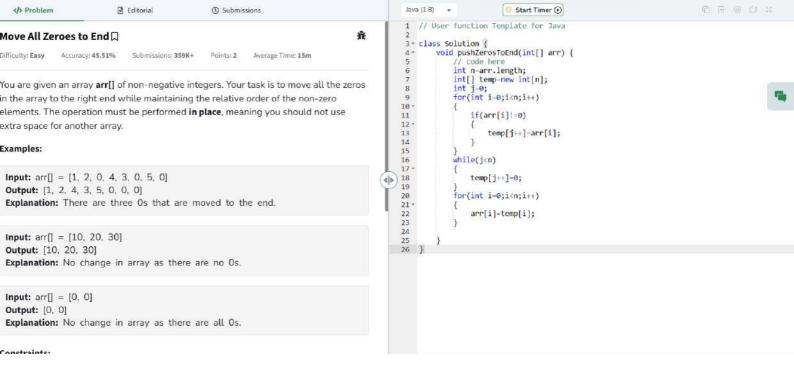
same as the original.

```
1 - class Solution {
2 - public void reverseArray(int arr[]) {
                     // code here
int i=0;
int j=arr.length-1;
while(i<j)</pre>
  4
  6
                            int temp=arr[i];
arr[i]=arr[j];
arr[j]=temp;
  8
  9
10
                            i++;
j--;
11
12
13
                     }
14
15 }
```

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d|b





```
Siven an array of positive integers arr[], return the second largest element from the
rray. If the second largest element doesn't exist then return -1.
Note: The second largest element should not be equal to the largest element.
xamples:
Input: arr[] = [12, 35, 1, 10, 34, 1]
Output: 34
Explanation: The largest element of the array is 35 and the second largest
element is 34.
Input: arr[] = [10, 5, 10]
Output: 5
Explanation: The largest element of the array is 10 and the second largest
element is 5.
Input: arr[] = [10, 10, 10]
Output: -1
Explanation: The largest element of the array is 10 and the second largest
element does not exist.
```

Submissions: 1.3M

Points: 2 Average Time: 15m

iecond Largest 🗆

Accuracy: 26.72%

ifficulty: Easy

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```
int largest=-1,second=-1;
for(int num:arr)
    6 +
                  if(num>largest)
                     second=largest;
   10
                     largest=num;
   11
                  else if(num>second&&num!=largest)
   12
   13 *
                     second=num;
   15
                  }
   16
              return second;
18 19 }
                                               Custom Input Compile & Run
```

