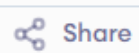


main.c



Share

Run

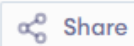
Output

```
1 //DAY 35
2 //Q69
3 #include <stdio.h>
4 int main() {
5     int arr[100], n, i;
6     int largest, secondLargest;
7     printf("Enter the number of elements in the array: ");
8     scanf("%d", &n);
9
10    if(n < 2) {
11        printf("Array must have at least two elements.\n");
12        return 0;
13    }
14    printf("Enter %d elements:\n", n);
15    for(i = 0; i < n; i++) {
16        scanf("%d", &arr[i]);
17    }
18    if(arr[0] > arr[1]) {
19        largest = arr[0];
20        secondLargest = arr[1];
21    } else {
22        largest = arr[1];
23        secondLargest = arr[0];
24    }
25    for(i = 2; i < n; i++) {
26        if(arr[i] > largest) {
27            secondLargest = largest;
28            largest = arr[i];
29        } else if(arr[i] > secondLargest && arr[i] != largest) {
30            secondLargest = arr[i];
31        }
32    }
33    printf("The second largest element is: %d\n", secondLargest);
34    return 0;
```

Enter the number of elements in the array: 5
Enter 5 elements:
10 20 30 40 50
The second largest element is: 40

=== Code Execution Successful ===

main.c



Run

Output

```
1 //DAY 35
2 //Q70
3 #include <stdio.h>
4 int main() {
5     int arr[100], n, k, i;
6
7     printf("Enter the number of elements in the array: ");
8     scanf("%d", &n);
9
10    printf("Enter %d elements:\n", n);
11    for(i = 0; i < n; i++) {
12        scanf("%d", &arr[i]);
13    }
14
15    printf("Enter the number of positions to rotate (k): ");
16    scanf("%d", &k);
17
18    k = k % n;
19
20    int temp[100];
21    for(i = 0; i < n; i++) {
22        temp[(i + k) % n] = arr[i];
23    }
24
25    for(i = 0; i < n; i++) {
26        arr[i] = temp[i];
27    }
28
29    printf("Array after rotating right by %d positions:\n", k);
30    for(i = 0; i < n; i++) {
31        printf("%d ", arr[i]);
32    }
33    printf("\n");
34    return 0;
```

```
Enter the number of elements in the array: 5
Enter 5 elements:
1 2 3 4 5
Enter the number of positions to rotate (k): 2
Array after rotating right by 2 positions:
4 5 1 2 3
```

```
=== Code Execution Successful ===
```