

Program to cyclically rotate an array by one

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#include <stdio.h>

// Function to cyclically rotate the array by one position
void rotateByOne(int arr[], int size) {
    int last = arr[size - 1]; // Store the last element of the array

    // Shift all elements one position to the right
    for (int i = size - 1; i > 0; i--) {
        arr[i] = arr[i - 1]; // Move the previous element to the current position
    }
    arr[0] = last; // Place the last element at the start of the array
}

int main() {
    int size, arr[100];
    printf("Enter size : ");
    scanf("%d", &size);

    printf("Enter elements: ");
    for (int i = 0; i < size; i++) {
        scanf("%d", &arr[i]);
    }

    // Function to rotate the array by one position
    rotateByOne(arr, size);
    printf("Array after rotation: ");
    for (int i = 0; i < size; i++) {
```

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        printf("%d ", arr[i]);  
    }  
    return 0;  
}
```