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#include <stdio.h>
#include <stdlib.h>

void RotateLeftByOne(int arr[], int size)
{
    int first = arr[0], index;
    for(index = 0; index < size - 1 ; index++)
        arr[index] = arr[index+1];
    arr[index] = first;
}

void RotateLeft(int arr[], int d, int size)
{
    for(int index = 0; index < d; index++)
        RotateLeftByOne(arr, size);
}

void printArray(int arr[], int size)
{
    for(int index = 0; index < size; index++)
        printf("%d\t", arr[index]);
}

int main()
{
    int *arr, size, d;
    printf("Enter size of the array\n");
    scanf("%d", &size);
    printf("Enter elements in array\n");
    for(int index = 0; index < size; index++)
        scanf("%d", &arr[index]);
    printf("Enter value of d\n");
    scanf("%d", &d);
    RotateLeft(arr, d, size);
    printArray(arr, size);
    return 0;
}

```

Time complexity: $O(n*d)$

space complexity: $O(1)$