//C program to delete an element from an array by index

#include <stdio.h>

#include <stdlib.h>

main()

{

int i, n, index, arr[10];

printf("Enter the size of the array: ");

scanf("%d", &n);

printf("Enter the elements of the array: \n");

for (i = 0; i < n; i++)

{

printf("arr[%d] = ", i);

scanf("%d", &arr[i]);

}

printf("\nEnter the index of the element to be deleted: ");

scanf("%d", &index);

if (index >= n+1)

{

printf (" \n Deletion is not possible in the array.");

}

else

{

for (i = index; i < n - 1; i++)

{

arr[i] = arr[i + 1];

printf("\nThe array after deleting the element is: ");

}

printf("\nUpdated array elements after deletion\n");

for (i = 0; i < n - 1; i++)

{

printf("%d\t ", arr[i]);

}

}

printf("\nSTOP");

}