**DELETION OF 1D ARRAY**

**#include <stdio.h>**

**void deleteElement(int arr[], int \*n, int position) {**

**if (position < 0 || position >= \*n) {**

**printf("Invalid position!\n");**

**return;**

**}**

**for (int i = position; i < \*n - 1; i++) {**

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

**}**

**(\*n)--;**

**}**

**void printArray(int arr[], int n) {**

**for (int i = 0; i < n; i++) {**

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

**}**

**printf("\n");**

**}**

**int main() {**

**int arr[100];**

**int n, position;**

**printf("Enter the number of elements in the array: ");**

**scanf("%d", &n);**

**printf("Enter the elements of the array: ");**

**for (int i = 0; i < n; i++) {**

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

**}**

**printf("Enter the position (0-based index) of the element to delete: ");**

**scanf("%d", &position);**

**deleteElement(arr, &n, position);**

**printf("Array after deletion: ");**

**printArray(arr, n);**

**return 0;**

**}**

