**Question 1**

**Write the program for deleting an element from the beginning and from any position.**

**Ans:**

**#include <stdio.h>**

**int main()**

**{**

**int array[100], position, c, n;**

**printf("Enter number of elements in array\n");**

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

**printf("Enter %d elements\n", n);**

**for (c = 0; c < n; c++)**

**scanf("%d", &array[c]);**

**printf("delete from beginning:\n");**

**for(c=0;c<n;c++)**

**{**

**array[c]=array[c+1];**

**}**

**printf("array after deleting element from beginning:\n");**

**for (c = 0; c < n - 1; c++)**

**printf("%d\n", array[c]);**

**printf("Enter the location where you wish to delete element\n");**

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

**if (position >= n+1)**

**printf("Deletion not possible.\n");**

**else**

**{**

**for (c = position - 1; c < n - 1; c++)**

**array[c] = array[c+1];**

**printf("Resultant array:\n");**

**for (c = 0; c < n - 1; c++)**

**printf("%d\n", array[c]);**

**}**

**return 0;**

**}**

**Question 2**

**Write the program for printing the array after rotating it k times towards left, where k would be taken as user input.**

**Ans:**

**#include<iostream>**

**#include<stdio.h>**

**using namespace std;**

**void leftRotatebyOne(int arr[], int n)**

**{**

**int temp = arr[0], i;**

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

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

**arr[i] = temp;**

**}**

**void leftRotate(int arr[], int k, int n)**

**{**

**for (int i = 0; i < d; i++)**

**leftRotatebyOne(arr, n);**

**}**

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

**{**

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

**cout << arr[i] << " ";**

**}**

**int main()**

**{**

**int k;**

**int arr[] = { 1, 2, 3, 4, 5, 6, 7 };**

**int n = sizeof(arr) / sizeof(arr[0]);**

**cout<<"enter k:";**

**cin>>d;**

**// Function calling**

**leftRotate(arr, k, n);**

**printArray(arr, n);**

**return 0;**

**}**