**Assignment 3 | 6th January 2021**

**Question 1**

**Solution 1**

#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("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**

**Solution 2**

using System;

class GFG {

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

{

int mod = k % n;

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

Console.Write(arr[(i + mod) % n] + " ");

Console.WriteLine();

}

static public void Main()

{

int[] arr = { 1, 3, 5, 7, 9 };

int n = arr.Length;

k = 4;

leftRotate(arr, n, k);

}

}