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using System;

namespace example_ADT_Datastructure
{
    class Program
    {
        static void Main(string[] args)
        {
            int[] arr = new int[10];
            int i, n, vitri, moi, vitrixa, phantutim;
            Console.WriteLine("Length of Array:");
            n = Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter {0} numbers:", n );
            for (i = 0; i < n; i++)
            {
                Console.Write("Number - {0} : ", i);
                arr[i] = Convert.ToInt32(Console.ReadLine());
            }

            //In mang vua nhap
            Console.WriteLine("Array: ");
            for (i = 0; i < n; i++)
            {
                Console.Write("{0} ", arr[i]);
            }

            //Gia tri muon chen
            Console.WriteLine("\nThe number wants to convert: ");
            moi = Convert.ToInt32(Console.ReadLine());

            //Vi tri muon chen
            Console.WriteLine("Number Location of new number in Array: ");
            vitri = Convert.ToInt32(Console.ReadLine());
            for (i = n; i >= vitri; i--)
                arr[i] = arr[i - 1];
            arr[vitri - 1] = moi;

            //In mang sau khi chen
            Console.WriteLine("\n\nAfter convert new number in Array:\n");
            for (i = 0; i <= n; i++)
                Console.Write("{0} ", arr[i]);
            Console.WriteLine("\n\n");
            //Xoa phan tu trong mang
            Console.WriteLine("\nNhap vi tri can xoa: ");
            vitrixa = Convert.ToInt32(Console.ReadLine());
            //tim i
            i = 0;
            while (i != vitrixa - 1)
                i++;
            //dua phan tu ben phai qua thay the phan tu moi
            while (i < n)
            {
                arr[i] = arr[i + 1];
                i++;
            }
            Console.WriteLine("\n Array after delete: ");
            for (i = 0; i < n; i++)
            {

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        Console.Write(" {0}", arr[i]);
    }

    Console.WriteLine("\n Nhap phan tu can tim");
    phantutim = Convert.ToInt32(Console.ReadLine());

    for (i = 0; i <= n; i++)
    {
        if (arr[i] == phantutim)
        {
            Console.WriteLine("Vi tri cua {0} la {1}", phantutim, i);
        }
    }

    Console.ReadKey();
}
}
```