

19) Write a program to show use of exception handling. (Array Index out of bound)

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;

namespace Ass19
{
    class demo
    {
        public void show()
        {
            int difference = 0;
            int n;
            int[] number = new int[5] { 1, 2, 3, 4, 5 };
            Console.Write("enter number");
            n = Convert.ToInt32(Console.ReadLine());
            try
            {
                for (int i = 1; i <= n; i++)
                {
                    difference = difference - number[i];
                }

                Console.WriteLine("The difference of the array is:" + difference);
            }
            catch (IndexOutOfRangeException e)
            {
                Console.WriteLine(e.Message);
            }
        }
    }
    class program
    {
        static void Main(string[] args)
        {
            demo d = new demo();
            d.show();
            Console.ReadLine();
        }
    }
}
```