**Object**: Design a class for single dimension arrays and Implement using C#.

***Solution***

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace lab\_1\_task\_1

{

class Array

{

static int b;

int[] a;

//int[] a = new int[b];

public Array()

{

Console.WriteLine("Length of array?");

b = Convert.ToInt32(Console.ReadLine());

a = new int[b];

}

public void show()

{

Console.WriteLine("Fill number data!");

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

{

a[i] = Convert.ToInt32(Console.ReadLine());

}

Console.Clear();

Console.WriteLine("List of filled data!");

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

{

Console.WriteLine(a[i]);

}

}

}

class Program

{

static void Main(string[] args)

{

Array A = new Array();

A.show();

}

}

}

**Output:**

Length of array?

5

Fill number data!

1

2

3

4

5

List of filled data!

1

2

3

4

5

Press any key to continue . . .