TAAZAA TRAINING

Assignment- 10

Submitted By :- Gurpreet Singh

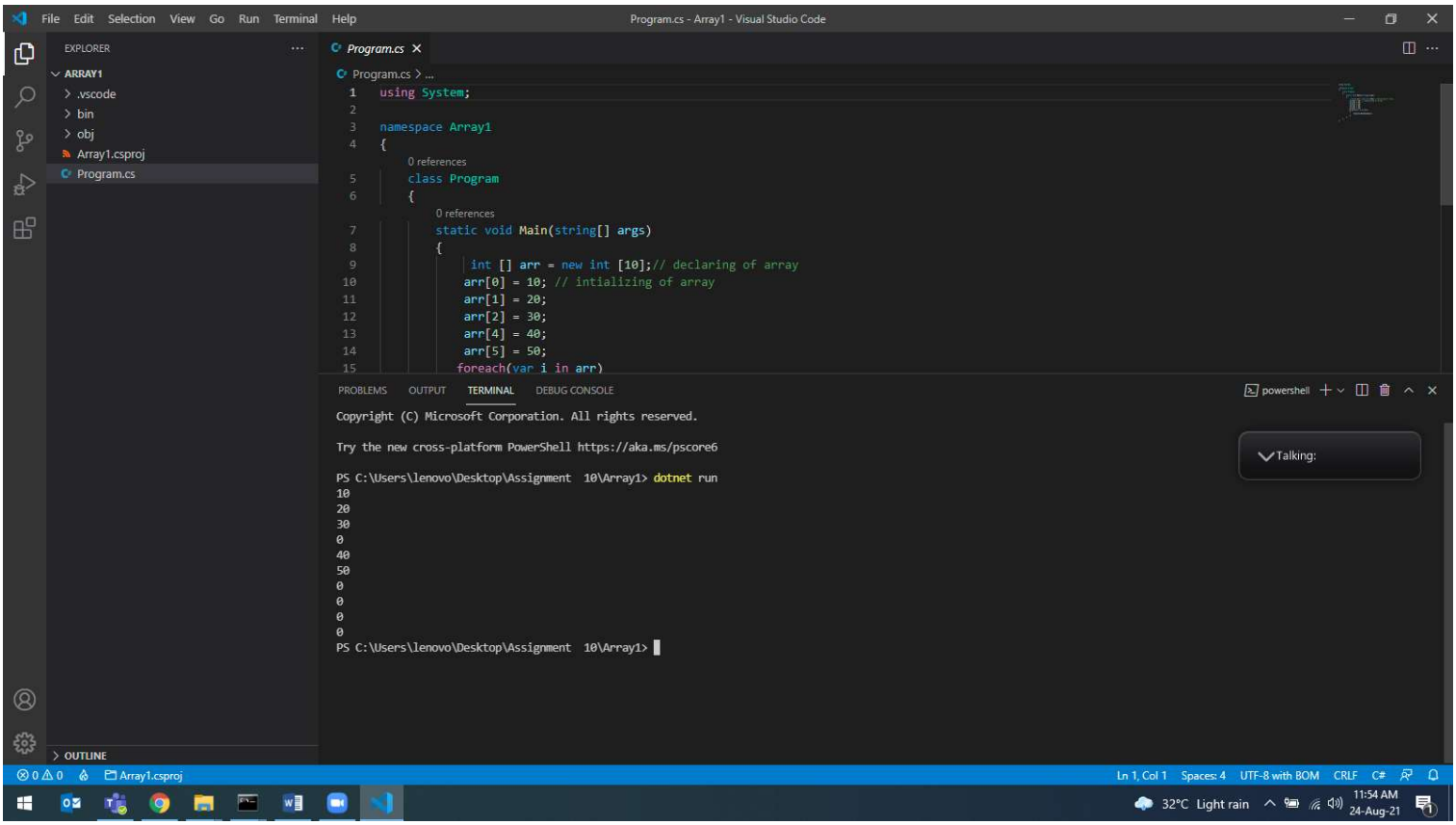
1) Array 1

Source Code :-

```
using System;

namespace Array1
{
    class Program
    {
        static void Main(string[] args)
        {
             int [] arr = new int [10];// declaring of array
            arr[0] = 10; // intializing of array
            arr[1] = 20;
            arr[2] = 30;
            arr[4] = 40;
            arr[5] = 50;
           foreach(var i in arr)
            {
                Console.WriteLine(i);
            }
        }
    }
}
```

Output:-


File Edit Selection View Go Run Terminal Help
Program.cs - Array1 - Visual Studio Code
EXPLORER
ARRAY1
.vscode
bin
obj
Array1.csproj
Program.cs
Program.cs
using System;
namespace Array1
{
0 references
class Program
{
0 references
static void Main(string[] args)
{
int [] arr = new int [10];// declaring of array
arr[0] = 10; // intializing of array
arr[1] = 20;
arr[2] = 30;
arr[4] = 40;
arr[5] = 50;
foreach(var i in arr)
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
powershell
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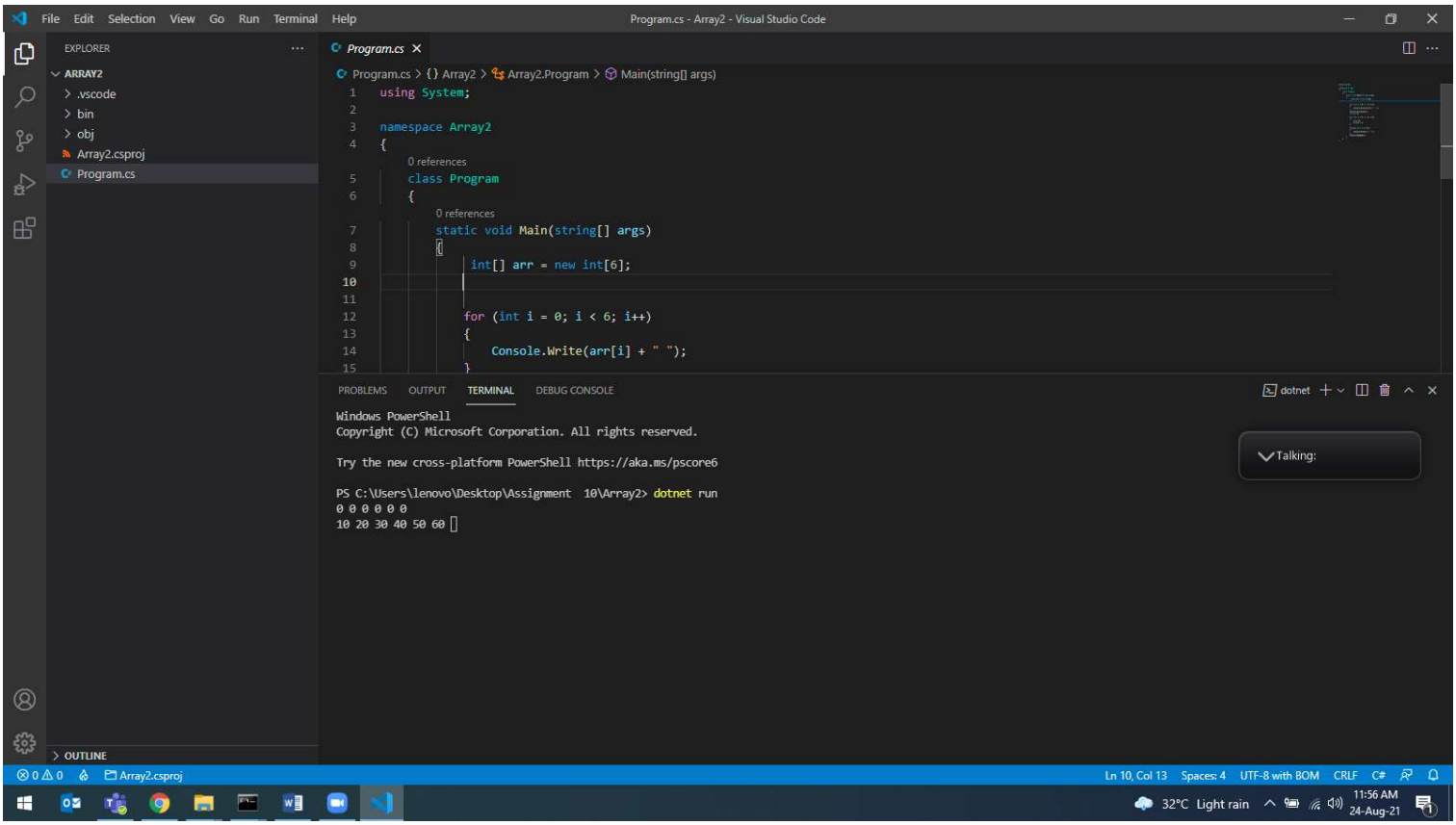
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\lenovo\Desktop\Assignment 10\Array1> dotnet run
10
20
30
0
40
50
0
0
0
0
PS C:\Users\lenovo\Desktop\Assignment 10\Array1>
Talking:
OUTLINE
Array1.csproj
Ln 1, Col 1 Spaces: 4 UTF-8 with BOM CRLF C#
32°C Light rain
11:54 AM
24-Aug-21

2)Array 2

Source Code :-

```
using System;

namespace Array2
{
    class Program
    {
        static void Main(string[] args)
        {
             int[] arr = new int[6];


            for (int i = 0; i < 6; i++)
            {
                Console.Write(arr[i] + " ");
            }
            Console.WriteLine();
            int a = 0;

            for (int i = 0; i < 6; i++)
            {
                a += 10;
                arr[i] = a;
            }

            foreach (int i in arr)
            {
                Console.Write(i + " ");
            }
            Console.ReadKey();
        }
    }
}
```

Output:-

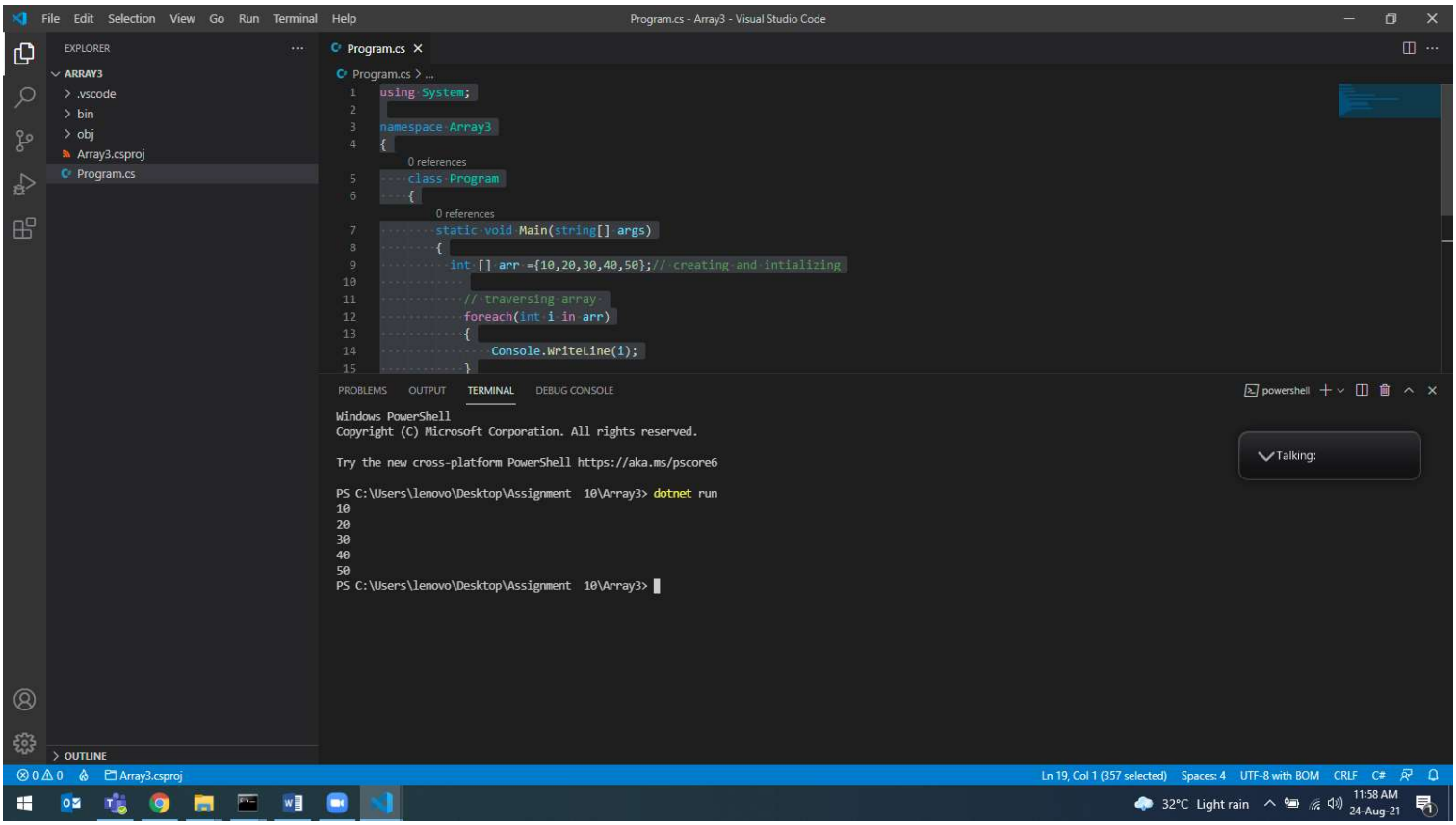


3)Array 3

Source Code :-

```
using System;

namespace Array3
{
    class Program
    {
        static void Main(string[] args)
        {
          int [] arr ={10,20,30,40,50};// creating and intializing

            // traversing array
            foreach(int i in arr)
            {
                Console.WriteLine(i);
            }
        }
    }
}
```

Output:-


File Edit Selection View Go Run Terminal Help
Program.cs - Array3 - Visual Studio Code
EXPLORER
ARRAY3
.vscode
bin
obj
Array3.csproj
Program.cs
Program.cs
using System;
namespace Array3
{
0 references
class Program
{
0 references
static void Main(string[] args)
{
int [] arr ={10,20,30,40,50};// creating and intializing
// traversing array
foreach(int i in arr)
{
Console.WriteLine(i);
}
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
powershell
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\lenovo\Desktop\Assignment 10\Array3> dotnet run
10
20
30
40
50
PS C:\Users\lenovo\Desktop\Assignment 10\Array3>
Talking:
OUTLINE
Array3.csproj
Ln 19, Col 1 (357 selected) Spaces: 4 UTF-8 with BOM CRLF C#
32°C Light rain
11:58 AM
24-Aug-21

4) Switch case Taazaa menu:-

Source Code :-

Contact.cs

```
namespace Assignment_10.Models
{
    public class Contact
    {
        public int cId
        {
            get;
            set;
        }

        public string cName
        {
            get;
            set;
        }

        public string cLocation
        {
            get;
            set;
        }
        public long cPhNo
        {
            get;
            set;
        }
        public string eMail
        {
            get;
            set;
        }
    }
}
```

ListManipulation.cs

```
using System;
using System.Collections.Generic;
using Assignment_10.Models;
namespace Assignment_10.ListManipulation
{
    public class ListManipulator:IListMainpulator
    {
        List<Contact> objList;

        public ListManipulator()
        {
            objList=new List<Contact>();
        }

        public void createList(Contact objContact)
        {
            objList.Add(objContact);
            Console.WriteLine("Added sucessfully");

        }

        public void updateList(int i,Contact objContact)
        {
            var temp= objList[i];
            temp.cName=objContact.cName;
            temp.cPhNo=objContact.cPhNo;
            temp.cLocation=objContact.cLocation;
            temp.cId=objContact.cId;
            temp.eMail=objContact.eMail;
            Console.WriteLine("Update sucessfully");
        }
         public void deleteListItem(int i)
        {
            objList.RemoveAt(1);
            Console.WriteLine("Deleted sucessfully");
        }


        public void DisplayList()
        {
            var n=0;
            foreach(var i in objList)
            {
                n++;
                Console.WriteLine(n+" "+i.cId+" "+i.cName+" "+i.cLocation+" "+i.cPhNo+" "+i.eMail
);
            }
        }
    }
}
```

IListManipulator.cs

```
using Assignment_10.Models;
using System.Collections.Generic;
namespace Assignment_10.ListManipulation
{
    public interface IListMainpulator
    {
         void createList(Contact objContact);
        void updateList(int i,Contact objContact);
        void deleteListItem(int i);
        void  DisplayList();

    }
}
```

Program.cs

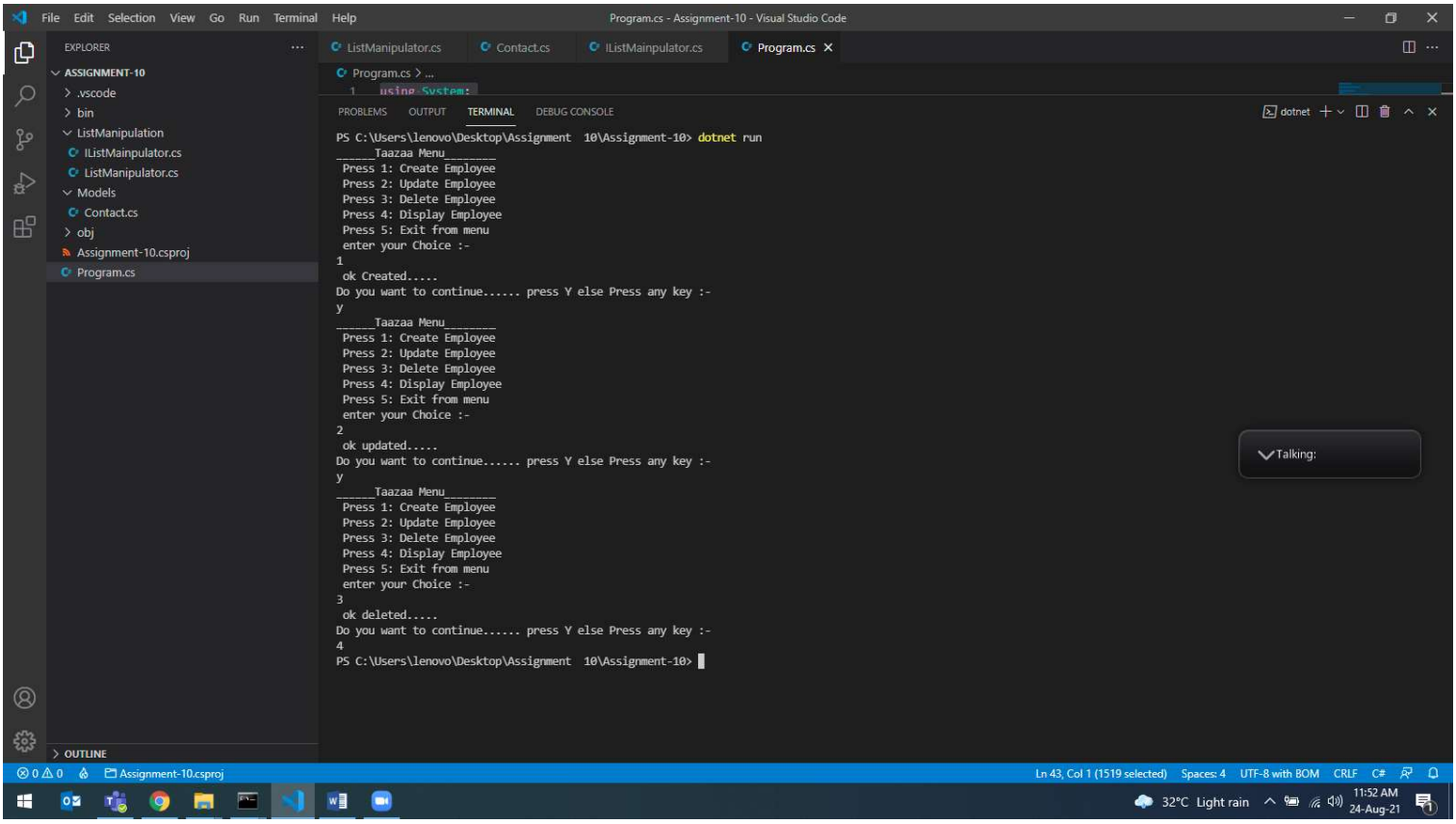
```
using System;

namespace Assignment_10
{
    class Program
    {
        public static void Main()
        {
            string cm="Y";
            while(cm=="Y" ||cm=="y")
            {
                Console.WriteLine("_____Taazaa Menu_______\n Press 1: Create Employee \n Press
2: Update Employee \n Press 3: Delete Employee \n Press 4: Display Employee \n Press 5: Exit from
 menu \n enter your Choice :-");
                int ch=Convert.ToInt32(Console.ReadLine());
                switch(ch)
                {
                    case 1:
                        Console.WriteLine(" ok Created.....");
                        break;
                    case 2:
                        Console.WriteLine(" ok updated.....");
                        break;
                    case 3:
                        Console.WriteLine(" ok deleted.....");
                        break;
                    case 4:
                        Console.WriteLine(" ok program exit .......");
                        break;
                    case 5:
                        Console.WriteLine(" ok program exit .......");
                        break;
                    default:
                        Console.WriteLine("Invalid choice try again");
                        break;

                }
                Console.WriteLine("Do you want to continue..... press Y else Press any key :-");
                cm=Console.ReadLine();
            }
        }

    }
}
```

Output:-


File Edit Selection View Go Run Terminal Help
Program.cs - Assignment-10 - Visual Studio Code
EXPLORER
ASSIGNMENT-10
.vscode
bin
ListManipulation
IListMainpulator.cs
ListManipulator.cs
Models
Contact.cs
obj
Assignment-10.csproj
Program.cs
OUTLINE
ListManipulator.cs
Contact.cs
IListMainpulator.cs
Program.cs
Program.cs > ...
using System;
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
dotnet
PS C:\Users\lenovo\Desktop\Assignment 10\Assignment-10> dotnet run
_____Taazaa Menu_____
Press 1: Create Employee
Press 2: Update Employee
Press 3: Delete Employee
Press 4: Display Employee
Press 5: Exit from menu
enter your Choice :-
1
ok Created.....
Do you want to continue..... press Y else Press any key :-
y
_____Taazaa Menu_____
Press 1: Create Employee
Press 2: Update Employee
Press 3: Delete Employee
Press 4: Display Employee
Press 5: Exit from menu
enter your Choice :-
2
ok updated.....
Do you want to continue..... press Y else Press any key :-
y
_____Taazaa Menu_____
Press 1: Create Employee
Press 2: Update Employee
Press 3: Delete Employee
Press 4: Display Employee
Press 5: Exit from menu
enter your Choice :-
3
ok deleted.....
Do you want to continue..... press Y else Press any key :-
4
PS C:\Users\lenovo\Desktop\Assignment 10\Assignment-10>
Talking:
Assignment-10.csproj
Ln 43, Col 1 (1519 selected) Spaces: 4 UTF-8 with BOM CRLF C#
32°C Light rain
11:52 AM
24-Aug-21