TAAZAA ASSIGNMENT-7

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CONTACTSLIST.CS

```csharp
using System;
using System.Collections.Generic;
using ListProgramWithSwitchCase.Model;
namespace ListProgramWithSwitchCase.ContactList
{
    public class ContactsList
    {
        List<Contact> objList;
        public ContactsList()
        {
            objList=new List<Contact>();
        }
        public int createContact(Contact objContact)
        {
            objList.Add(objContact);
            return 1;
        }
        public List<Contact> DisplayList()
        {
            return objList;
        }
        public void deleteContact(int index)
        {
            objList.RemoveAt(index);
        }
        public void updateContact(int index)
        {
            System.Console.WriteLine("Enter the name you want to Update");
            string Name=Console.ReadLine();
            objList[index].Name=Name;
        }
        public Contact Search(int index)
        {
            return objList.Find(e=>e.Id==index);
        }

    }
}
```

CONTACT.CS

```csharp
namespace ListProgramWithSwitchCase.Model
{
```

```csharp
    public class Contact
    {
        public int Id{get;set;}
        public string Name{get;set;}


    }
}
```

PROGRAM.CS

```csharp
using System;
using ListProgramWithSwitchCase.Model;
using ListProgramWithSwitchCase.ContactList;
using System.Collections.Generic;
namespace ListProgramWithSwitchCase
{
    class Program
    {
        static void Main()
        {
            int ch = 0;
            ContactsList objContactList = new ContactsList();
            while (ch >= 0 && ch <= 5)
            {
                System.Console.WriteLine("Which action you want to perform??\n")
;
                System.Console.WriteLine(" 1.) Add\n 2.) Display\n 3.) Update\n
4.) Delete\n 5.) Search\n 6.) Exit");
                ch = Convert.ToInt32(Console.ReadLine());
                switch (ch)
                {
                    //addition
                    case 1:
                        Contact objContact = new Contact();
                        System.Console.WriteLine("Enter the Id");
                        int id = Convert.ToInt32(Console.ReadLine());
                        System.Console.WriteLine("Enter the name");
                        string Name = Console.ReadLine();
                        objContact.Id = id;
                        objContact.Name = Name;
                        int temp = objContactList.createContact(objContact);
                        if (temp == 1)
                            System.Console.WriteLine("Added Successfully!!");
                        break;

                    //display
                    case 2:
                        System.Console.WriteLine("Details Are Here!!");
                        List<Contact> objectContact = objContactList.DisplayList
();

                        int count = objectContact.Count;
                        for (int i = 0; i < count; i++)
```

```
                    {
                        Console.WriteLine(objectContact[i].Id + " " + object
Contact[i].Name);
                    }
                    break;

                //updation
                case 3:
                    System.Console.WriteLine("Which record you want to updat
e...provide the index?? ");
                    int num1 = Convert.ToInt32(Console.ReadLine());
                    objContactList.updateContact(num1);
                    System.Console.WriteLine("updated Successfully!!");
                    break;

                //deletion
                case 4:
                    System.Console.WriteLine("Which record you want to delet
e please provide index !!");
                    int num = Convert.ToInt32(Console.ReadLine());
                    objContactList.deleteContact(num);
                    System.Console.WriteLine("Deleted Successfully!!");
                    break;

                case 5:
                    System.Console.WriteLine("Enter Id You want to search!!"
);

                    int num2 = Convert.ToInt32(Console.ReadLine());
                    Contact contact = objContactList.Search(num2);
                    Console.WriteLine(contact.Id + " " + contact.Name);
                    break;

                default:
                    System.Console.WriteLine("Invalid Input!!");
                    break;
            }
        }
    }
}
}}
```

FIRSTINTERFACE.CS

```
using ListProgramWithSwitchCase.Model;
using ListProgramWithSwitchCase.ContactList;
using System.Collections.Generic;
namespace ListProgramWithSwitchCase.ContactList

{
    public interface Firstinterface
    {
        int createContact(Contact objContact);
        List<Contact> DisplayList();
        void deleteContact(int index);
        void updateContact(int index);
```

```
        Contact Search(int index);
    }
}
```

OUTPUT OF ABOVE PROGRAM

Which action you want to perform??

 1.) Add

 2.) Display

 3.) Update

 4.) Delete

 5.) Search

 6.) Exit

1

Enter the Id

100

Enter the name

sukhdev

Added Successfully!!

Which action you want to perform??

 1.) Add

 2.) Display

 3.) Update

 4.) Delete

 5.) Search

 6.) Exit

1

Enter the Id

101

Enter the name

rahul

Added Successfully!!

Which action you want to perform??

 1.) Add

 2.) Display

 3.) Update

 4.) Delete

 5.) Search

 6.) Exit

1

Enter the Id

102

Enter the name

karan

Added Successfully!!

Which action you want to perform??

 1.) Add

 2.) Display

 3.) Update

 4.) Delete

 5.) Search

 6.) Exit

1

Enter the Id

103

Enter the name

karan

Added Successfully!!

Which action you want to perform??

1.) Add

2.) Display

3.) Update

4.) Delete

5.) Search

6.) Exit

3

Which record you want to update...provide the index??

2

Enter the name you want to Update

Karan Dhyani

updated Successfully!!

Which action you want to perform??

1.) Add

2.) Display

3.) Update

4.) Delete

5.) Search

6.) Exit

2

Details Are Here!!

100 sukhdev

101 rahul

102 Karan Dhyani

103 karan

Which action you want to perform??

 1.) Add

 2.) Display

 3.) Update

 4.) Delete

 5.) Search

 6.) Exit

4

Which record you want to delete please provide index !!

3

Deleted Successfully!!

Which action you want to perform??

 1.) Add

 2.) Display

 3.) Update

 4.) Delete

 5.) Search

6.) Exit

2

Details Are Here!!

100 sukhdev

101 rahul

102 Karan Dhyani

Which action you want to perform??

 1.) Add

 2.) Display

 3.) Update

 4.) Delete

 5.) Search

 6.) Exit

5

Enter Id You want to search!!

102

102 Karan Dhyani

Which action you want to perform??

 1.) Add

 2.) Display

 3.) Update

 4.) Delete

 5.) Search

 6.) Exit

6

Invalid Input!!