

ASSIGNMENT – 8(EXTRA CLASS)

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LIST WITH SWITCH CASE

CONTACTLIST.CS

```
using System.Collections.Generic;
using day9.Models;
using System;
namespace day9.ContactList
{
    public class ContactsList:FirstInterface
    {
        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);
        }
    }
}
```

```

    }
}
namespace day9.Models
{
    public class Contact
    {
        public int Id{get;set;}
        public string Name{get;set;}
    }
}

```

CONTACT.CS

```

using day9.Models;
using System.Collections.Generic;
using day9.ContactList;
using System;
namespace day9
{
    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+" "+objectCo
ntact[i].Name);
            }
            break;

            //updation
            case 3:
                System.Console.WriteLine("Which record you want to upd
ate...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 del
ete 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;
                    }
                }
            }
        /* Contact objContact = new Contact();

```

```

        objContact.Id = 101;
        objContact.Name = "Sukhdev";

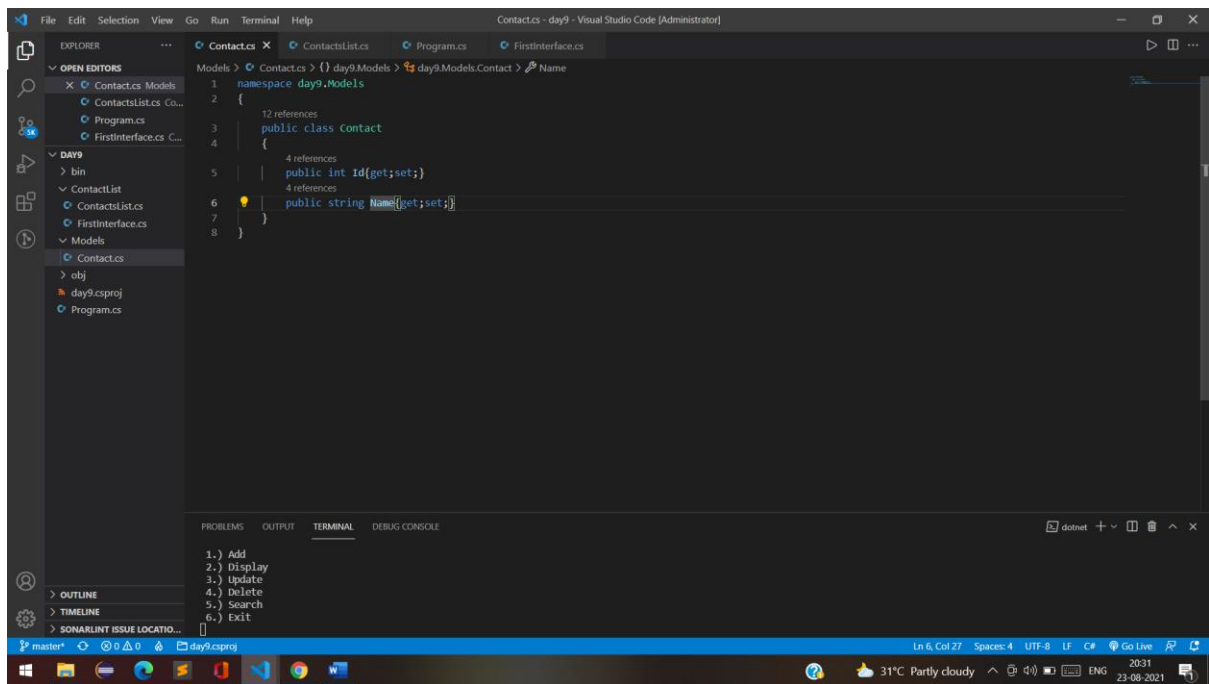
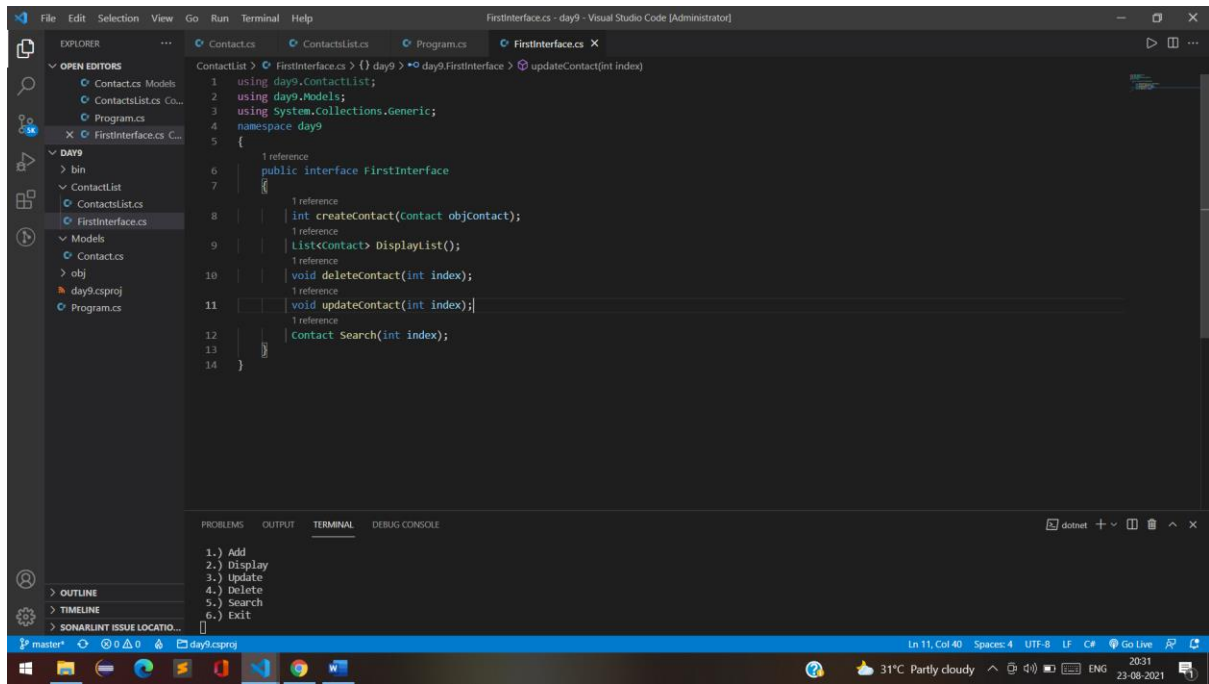
        Contact objContact1 = new Contact();
        objContact1.Id = 102;
        objContact1.Name = "Das Sukhdev";

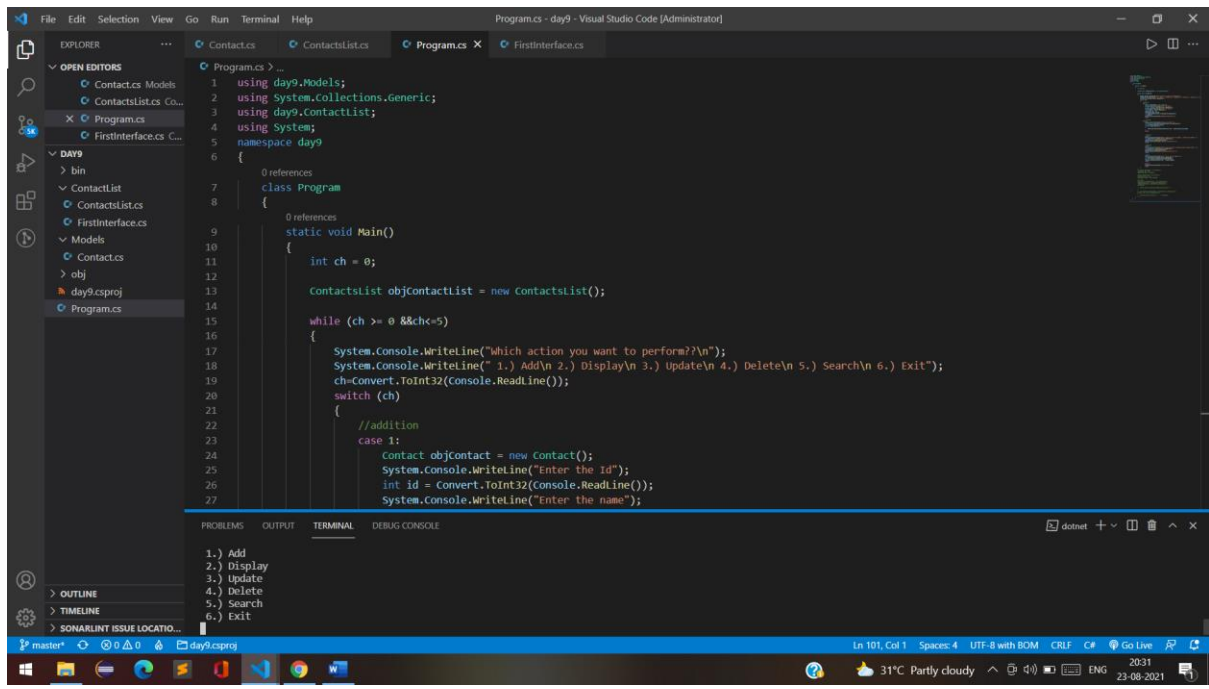
        int temp;
        ContactsList objContactList = new ContactsList();
        temp=objContactList.createContact(objContact);
        temp=objContactList.createContact(objContact1);
        if(temp==1)
        {
            System.Console.WriteLine("Added Successfully!!");
        }
    /*
    */
    /* List<Contact> objectContact = objContactList.DisplayList();
    foreach (var item in objectContact)
    {
        Console.WriteLine(item.Id + " " + item.Name);
    } */
}
}
}
}
}

```

PROGRAM.CS

SCREENSHOTS





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!!