

Code

```
namespace ClinicApp
{
    internal class Program
    {
        manageddoctor manageddoctor;

        public Program()
        {
            manageddoctor = new manageddoctor();
        }

        void DisplayAdminMenu()
        {
            Console.WriteLine("1.Add doctor");
            Console.WriteLine("2.Modify doctor experience");
            Console.WriteLine("3.modify doctor phone number");
            Console.WriteLine("0.delete doctor");
        }

        void StartAdminActivities()
        {
            int choice;
            do
            {
                DisplayAdminMenu();
                choice = Convert.ToInt32(Console.ReadLine());
                switch (choice)
                {
                    case 0:
                        Console.WriteLine("deleted");
                        break;
                    case 1:
                        manageddoctor.getdetailsfromuser();
                }
            } while (choice != 0);
        }
    }
}
```

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        break;
    case 2:
        UpdateDoctorExperience();
        break;
    case 3:
        UpdateDoctorphonenumber();
        break;
    default:
        Console.WriteLine("Invalid choice. Try again");
        break;
    }
} while (choice != 0);
}

private void UpdateDoctorExperience()
{
    manageddoctor.PrintdoctorDetails();
    Console.WriteLine("Please enter the new experience");
    int experience = Convert.ToInt32(Console.ReadLine());
    var result = manageddoctor.UpdateDoctorExperience(experience);
    if (result == true)
    {
        Console.WriteLine("Experience updated");
        manageddoctor.PrintdoctorDetails();
    }
    else
        Console.WriteLine("Not updated");
}

private void UpdateDoctorphonenumber()
{
    manageddoctor.PrintdoctorDetails();
    Console.WriteLine("Please enter the new phone number");

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        int phonenumber = Convert.ToInt32(Console.ReadLine());
        var result = manageddoctor.UpdateDoctorPhoneNumber(phonenumber);
        if (result == true)
        {
            Console.WriteLine("phone number updated");
            manageddoctor.PrintdoctorDetails();
        }
        else
            Console.WriteLine("Not updated");
    }
    static void Main(string[] args)
    {
        Console.WriteLine("welcome to the clinic");
        Program home = new Program();
        home.StartAdminActivities();
    }
}

```

```

using System;
using System.Collections.Generic;
using System.Diagnostics;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace clinicApp
{
    internal class doctor
    {
        public int Id { get; set; }
    }
}

```

```

public string Name { get; set; }
public string Qualifications { get; set; }
public int Experience { get; set; }
public double Fees { get; set; }
public double phonenumber { get; set; }
public doctor()
{
    Fees = 0.0f;
    phonenumber = 1;
}
public doctor(int Id, string Name, string Qualifications, int Experience, double Fees, double
phonenumber)
{
    Id = Id;
    Name = Name;
    Qualifications = Qualifications;
    Experience = Experience;
    Fees = Fees;
    phonenumber = phonenumber;
}
public override string ToString()
{
    return $"doctor Id : {Id}\ndoctor Name : {Name}\ndoctor Experience: {Experience}\n " +
        $" doctor fees : Rs. { Fees}\n doctor phonenumber: { phonenumber}%\n";
}
}
}

```

```

using clinicApp;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ClinicApp
{
    internal class manageddoctor
    {
        doctor doctor;

        public manageddoctor()
        {
            doctor = new doctor();
        }

        int generateId()
        {
            return new Random().Next(1, 100);
        }

        public void getdetailsfromuser()
        {
            doctor.Id = generateId();

            Console.WriteLine("Please enter the doctor name");

            doctor.Name = Console.ReadLine();

            Console.WriteLine("Please enter the doctor qualificatons");

            doctor.Qualifications = Console.ReadLine();

            Console.WriteLine("Please enter the doctor Experience");

            doctor.Experience = Convert.ToInt32(Console.ReadLine());

            Console.WriteLine("Please enter the fees of doctor");

            doctor.Fees = Convert.ToDouble(Console.ReadLine());

            Console.WriteLine("please enter doctor phone number");
        }
    }
}

```

```
        doctor.phonenumber = Convert.ToDouble(Console.ReadLine());

        Console.WriteLine("all the doctor details are generated\n");
    }

    public void PrintdoctorDetails()
    {
        Console.WriteLine(doctor);
    }

    public bool UpdateDoctorExperience(int experience)
    {
        if (experience >= 0)
        {
            doctor.Experience = experience;
            return true;

            Console.WriteLine("experience updated");
        }

        return false;
    }

    public bool UpdateDoctorPhoneNumber(int phonenumber)
    {
        if (phonenumber >= 0)
        {
            doctor.phonenumber = phonenumber;
            return true;

            Console.WriteLine("phonenumber updated");
        }

        return false;
    }
}
```

Screen Shots of Output:

```
Microsoft Visual Studio Debug Console
welcome to the clinic
1.Add doctor
2.Modify doctor experience
3.modify doctor phone number
0.delete doctor
1
Please enter the doctor name
Sushma Reddy
Please enter the doctor qualifications
MBBS.Ms.Gynecologist
Please enter the doctor Experience
3
Please enter the fees of doctor
5
please enter doctor phone number
93476
all the doctor details are generated

1.Add doctor
2.Modify doctor experience
3.modify doctor phone number
0.delete doctor
2
doctor Id : 53
doctor Name : Sushma Reddy
doctor Experience: 3
  doctor fees : Rs. 5
doctor phonenumber: 93476%

Please enter the new experience
7
Experience updated
doctor Id : 53
doctor Name : Sushma Reddy
doctor Experience: 7
  doctor fees : Rs. 5
doctor phonenumber: 93476%

1.Add doctor
2.Modify doctor experience
```

```
Microsoft Visual Studio Debug Console

2.Modify doctor experience
3.modify doctor phone number
0.delete doctor
3
doctor Id : 53
doctor Name : Sushma Reddy
doctor Experience: 7
doctor fees : Rs. 5
doctor phonenumber: 93476%

Please enter the new phone number
85293
phone number updated
doctor Id : 53
doctor Name : Sushma Reddy
doctor Experience: 7
doctor fees : Rs. 5
doctor phonenumber: 85293%

1.Add doctor
2.Modify doctor experience
3.modify doctor phone number
0.delete doctor
3
doctor Id : 53
doctor Name : Sushma Reddy
doctor Experience: 7
doctor fees : Rs. 5
doctor phonenumber: 85293%

Please enter the new phone number
97648646
phone number updated
doctor Id : 53
doctor Name : Sushma Reddy
doctor Experience: 7
doctor fees : Rs. 5
doctor phonenumber: 97648646%

1.Add doctor
```

```
Microsoft Visual Studio Debug Console

2.Modify doctor experience
3.modify doctor phone number
0.delete doctor
3
doctor Id : 53
doctor Name : Sushma Reddy
doctor Experience: 7
doctor fees : Rs. 5
doctor phonenumber: 85293%

Please enter the new phone number
97648646
phone number updated
doctor Id : 53
doctor Name : Sushma Reddy
doctor Experience: 7
doctor fees : Rs. 5
doctor phonenumber: 97648646%

1.Add doctor
2.Modify doctor experience
3.modify doctor phone number
0.delete doctor
0
deleted

C:\Users\Kusuma\Practice\ClinicSolution\ClinicApp\bin\Debug\net6.0\ClinicApp.exe (process 10896) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .|
```