namespace DoctorSpeciality

{

internal class Program

{

Doctor CreatenewDoctorwithalldetails(int id)

{

Doctor doctor = new Doctor(id);

Console.WriteLine($"Doctor Id No : {id}");

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

doctor.Name = Console.ReadLine();

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

doctor.Qualification = Console.ReadLine();

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

doctor.Speciality = Console.ReadLine();

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

doctor.Age = int.Parse(Console.ReadLine());

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

doctor.Experience = int.Parse(Console.ReadLine());

return doctor;

}

static void Main(string[] args)

{

Console.WriteLine("hello");

Program program = new Program();

Doctor[] doctors = new Doctor[3];

for(int i=0;i<doctors.Length; i++)

{

doctors[i] = program.CreatenewDoctorwithalldetails(101+i);

}

Console.WriteLine("All the doctors have been added to the List");

Console.WriteLine("What Speciality of Doctors are u searching for : ");

string search = Console.ReadLine();

for(int i=0;i<doctors.Length;i++)

{

if (doctors[i].Speciality.Equals(search))

{

doctors[i].printDetailsofDoctorofspecifiedspeciality();

}

}

}

}

}

using System;

public class Doctor

{

int id;

public string Name { get; set; }

public int Age { get; set; }

public int Experience { get; set; }

public string Qualification { get; set; }

public string Speciality { get; set; }

public Doctor(int id)

{

this.id = id;

}

public void printDetailsofDoctorofspecifiedspeciality()

{

Console.WriteLine();

Console.WriteLine("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

Console.WriteLine($"Doctor Id : {id}");

Console.WriteLine($"Doctor Name : {Name}");

Console.WriteLine($"Doctor Age : {Age}");

Console.WriteLine($"Doctor Experience : {Experience}");

Console.WriteLine($"Doctor Qualification : {Qualification}");

Console.WriteLine($"Doctor Speciality : {Speciality}");

Console.WriteLine("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

}

}

