using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ClinicModelsLibrary

{

class User

{

public int Id { get; set; }

public string Name { get; set; }

public string Password { get; set; }

public int Age { get; set; }

public string Type { get; set; }

public void TakeDetails()

{

Console.WriteLine("Please enter ID:");

Id = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Please enetr Name:");

Name = Console.ReadLine();

Console.WriteLine("Please enter Password:");

Password = Console.ReadLine();

Console.WriteLine("Please enter Age:");

Age = Convert.ToInt32(Console.ReadLine());

}

public void PrintDetails()

{

Console.WriteLine("ID: {0} Name: {1} Password: {2} Age: {2}", Id, Name, Password,Age);

}

public override string ToString()

{

return "ID: " + Id + "\nName: " + Name + "\nPassword: " + Password + "\nAge: " + Age;

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ClinicModelsLibrary

{

class Doctor:User

{

public string Experience { get; set; }

public string Speciality { get; set; }

public Doctor()

{

Type = "Doctor";

Experience = "Specialist";

Speciality = "Heart";

}

public override string ToString()

{

return base.ToString() + "\nType: " + Type + "\nExperience: " + Experience + "\nSpeciality: " + Speciality;

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ClinicModelsLibrary

{

class Patient : User

{

public string Remarks { get; set; }

public string Status { get; set; }

public Patient()

{

Type = "Patients";

Remarks = "Sensitive to Prawn";

Status = "Future";

}

public override string ToString()

{

return base.ToString() + "\nType: " + Type + "\nRemarks: " + Remarks + "\nStatus: " + Status;

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using ClinicModelsLibrary;

namespace Clinic

{

class Program

{

static void Main(string[] args)

{

User u = new User();

u.TakeDetails();

u.PrintDetails();

Console.ReadKey();

}

}

}