1-15.   Define a class **Student**, which contains the following **information about students**: full name, course, subject, university, e-mail and phone number.

using System;

public enum ListOfSubjects

{

History, Chemistry, ComputerScience

}

public enum ListOfUniversities

{

Berkley, Compton, California, Harvard, Oxford

}

public class Student

{

public static int nameCount = 0;

private string name = null;

private int course;

private string email = null;

private string phone = null;

private ListOfSubjects subject;

private ListOfUniversities university;

public string FullName

{

get { return name; }

set { name = value; }

}

public int Course

{

get { return course; }

set { course = value; }

}

public Student(ListOfSubjects subject)

{

this.subject = subject;

}

public ListOfSubjects Subject

{

get { return subject; }

}

public string Subject

{

get { return subject; }

set { subject = value; }

}

public Student(ListOfUniversities university)

{

this.university = university;

}

public ListOfUniversities University

{

get { return university; }

}

public string Email

{

get { return email; }

set { email = value; }

}

public string Phone

{

get { return phone; }

set { phone = value; }

}

public Student()

: this("John Dow")

{

}

public Student(string name)

: this(name, -1)

{

}

public Student(string name, int course)

: this(name, course, ListOfSubjects.Chemistry)

{

}

public Student(string name, int course, ListOfSubjects subject)

: this(name, course, subject, ListOfUniversities.Compton)

{

}

public Student(string name, int course, ListOfSubjects subject, ListOfUniversities university)

: this(name, course, subject, university, "\*\*\*\*\*\*\*@mail.com")

{

}

public Student(string name, int course, ListOfSubjects subject, ListOfUniversities university, string email)

: this (name, course, subject, university, email, "+1\*\*\*\*\*\*\*\*\*\*\*")

{

}

Another constructor declaration

public Student(string name, int course, ListOfSubjects subject, ListOfUniversities university, string email, string phone)

{

this.name = name;

this.course = course;

this.subject = subject;

this.university = university;

this.email = email;

this.phone = phone;

nameCount += 1;

}

public void CallingInfo()

{

Console.WriteLine("Student of {1} year {0} attends courses of {2} in {3} university. His/her contact info: {4} and phone number {5}.\n", name, course, subject, university, email, phone);

}

}

public class StudentTest

{

public static void CreateStudents()

{

Console.WriteLine("How many students do you want to create?");

int numberOfStudents = int.Parse(Console.ReadLine());

for (int index = 0; index < numberOfStudents; index++)

{

string studentName = "Student" + (index+1).ToString();

Student student = new Student(studentName);

student.CallingInfo();

}

}

}

public class Program

{

public static void Main()

{

Student Peter = new Student("Peter Shmidth", 2, ListOfSubjects.History, ListOfUniversities.Berkley, "peteshmidth@mail.com", "+14982223494");

Peter.CallingInfo();

Student Pier = new Student("Pier Challet", 3);

Pier.CallingInfo();

Student Hanzel = new Student();

Console.WriteLine(Student.nameCount);

StudentTest.CreateStudents();

}

}