# Muhammad Hamza Khan

## Assignment: Course Registration Scenario

## EP#1750044

## BSS-1 Section A

## Seat # 22

### Submitted to: Miss Shaista Raees

#### Object Oriented Programming

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace CourseRegisterationScenario

{

class Program

{

static void Main(string[] args)

{

int opt;

START: Console.WriteLine("Who are you? \n1.Student \n2.Teacher");

Console.Write(">");

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

if (opt == 1)

{

Student S = new Student();

}

else if (opt == 2)

{

Teacher T = new Teacher();

}

else

{

Console.WriteLine("Invalid Selection. \nTry Again.\n");

goto START;

}

Console.ReadKey();

}

}

class Student

{

public Student()

{

string Stu\_Name;

int Roll\_No;

Console.Write("Enter Student Name>");

Stu\_Name = Console.ReadLine();

Console.Write("Enter RollNo.>");

Roll\_No = int.Parse(Console.ReadLine());

Console.Write("\n");

MID: Console.WriteLine("Select any Three(3) Courses from the following.\n");

int s1 = 0, s2 = 0, s3 = 0;

Console.WriteLine("1.Object Oriented Programming");

Console.WriteLine("2.Calculus and Analytical Geometry");

Console.WriteLine("3.Computer Logic Design");

Console.WriteLine("4.Introduction to C-Language");

Console.WriteLine("5.Linear Algebra");

Console.WriteLine("6.Introduction to Software Engineering\n");

Console.Write("Couse 1>");

s1 = int.Parse(Console.ReadLine());

Console.Write("Couse 2>");

s2 = int.Parse(Console.ReadLine());

Console.Write("Couse 3>");

s3 = int.Parse(Console.ReadLine());

if (s1 <= 6 && s2 <= 6 && s3 <= 6 && s1 != 0 && s2 != 0 && s3 != 0)

{

Console.Clear();

Console.WriteLine("Student Name>{0}", Stu\_Name);

Console.WriteLine("Roll#>{0}", Roll\_No);

Console.WriteLine("\nRegistered Courses are.");

Console.Write("1.");

if (s1 == 1)

Console.WriteLine("Object Oriented Programming");

else if (s1 == 2)

Console.WriteLine("Calculus and Analytical Geometry");

else if (s1 == 3)

Console.WriteLine("Computer Logic Design");

else if (s1 == 4)

Console.WriteLine("Introduction to C-Language");

else if (s1 == 5)

Console.WriteLine("Linear Algebra");

else if (s1 == 6)

Console.WriteLine("Introduction to Software Engineering");

Console.Write("2.");

if (s2 == 1)

Console.WriteLine("Object Oriented Programming");

else if (s2 == 2)

Console.WriteLine("Calculus and Analytical Geometry");

else if (s2 == 3)

Console.WriteLine("Computer Logic Design");

else if (s2 == 4)

Console.WriteLine("Introduction to C-Language");

else if (s2 == 5)

Console.WriteLine("Linear Algebra");

else if (s2 == 6)

Console.WriteLine("Introduction to Software Engineering");

Console.Write("3.");

if (s3 == 1)

Console.WriteLine("Object Oriented Programming");

else if (s3 == 2)

Console.WriteLine("Calculus and Analytical Geometry");

else if (s3 == 3)

Console.WriteLine("Computer Logic Design");

else if (s3 == 4)

Console.WriteLine("Introduction to C-Language");

else if (s3 == 5)

Console.WriteLine("Linear Algebra");

else if (s3 == 6)

Console.WriteLine("Introduction to Software Engineering");

}

else

{

Console.WriteLine("Invalid Selection. \nTry Again.\n");

goto MID;

}

}

}

class Teacher

{

public Teacher()

{

string Tea\_Name;

Console.Write("Enter Teacher Name>");

Tea\_Name = Console.ReadLine();

Console.Write("\n");

END: Console.WriteLine("Select any Two(2) Courses from the following.\n");

int t1 = 0, t2 = 0;

Console.WriteLine("1.Object Oriented Programming");

Console.WriteLine("2.Calculus and Analytical Geometry");

Console.WriteLine("3.Computer Logic Design");

Console.WriteLine("4.Introduction to C-Language");

Console.WriteLine("5.Linear Algebra");

Console.WriteLine("6.Introduction to Software Engineering\n");

Console.Write("Couse 1>");

t1 = int.Parse(Console.ReadLine());

Console.Write("Couse 2>");

t2 = int.Parse(Console.ReadLine());

if (t1 <= 6 && t2 <= 6 && t1 != 0 && t2 != 0)

{

Console.Clear();

Console.WriteLine("Teacher Name>{0}", Tea\_Name);

Console.WriteLine("\nRegistered Courses are.");

Console.Write("1.");

if (t1 == 1)

Console.WriteLine("Object Oriented Programming");

else if (t1 == 2)

Console.WriteLine("Calculus and Analytical Geometry");

else if (t1 == 3)

Console.WriteLine("Computer Logic Design");

else if (t1 == 4)

Console.WriteLine("Introduction to C-Language");

else if (t1 == 5)

Console.WriteLine("Linear Algebra");

else if (t1 == 6)

Console.WriteLine("Introduction to Software Engineering");

Console.Write("2.");

if (t2 == 1)

Console.WriteLine("Object Oriented Programming");

else if (t2 == 2)

Console.WriteLine("Calculus and Analytical Geometry");

else if (t2 == 3)

Console.WriteLine("Computer Logic Design");

else if (t2 == 4)

Console.WriteLine("Introduction to C-Language");

else if (t2 == 5)

Console.WriteLine("Linear Algebra");

else if (t2 == 6)

Console.WriteLine("Introduction to Software Engineering");

}

else

{

Console.WriteLine("Invalid Selection. \nTry Again.\n");

goto END;

}

}

}

}







