using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Polymorphism\_Exercise

{

class Student

{

public int number1 = 0;

public int number2 = 0;

public int number3 = 0;

public int AverageGr = 0;

public int SumGr = 0;

public void WriteNumbers()

{

Console.WriteLine("Number 1: " + number1);

Console.WriteLine("Number 2: " + number2);

Console.WriteLine("Number 3: " + number3);

}

public void Average()

{

AverageGr = (number1 + number2 + number3) / 3;

Console.WriteLine("Average: " + AverageGr);

return;

}

}

class StudentSum: Student

{

public void Sum()

{

SumGr = number1 + number2 + number3;

Console.WriteLine("Sum: " + SumGr);

return;

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace Polymorphism\_Exercise

{

class Program

{

static void Main(string[] args)

{

Console.ForegroundColor = ConsoleColor.Green;

Console.WriteLine("Student 1");

StudentSum student = new StudentSum();

Random rnd = new Random();

student.number1 = rnd.Next(0, 101);

student.number2 = rnd.Next(0, 101);

student.number3 = rnd.Next(0, 101);

student.WriteNumbers();

student.Average();

student.Sum();

Console.Write("\n");

Console.WriteLine("Student 2");

StudentSum student1 = new StudentSum();

student1.number1 = rnd.Next(0, 101);

student1.number2 = rnd.Next(0, 101);

student1.number3 = rnd.Next(0, 101);

student1.WriteNumbers();

student1.Average();

student1.Sum();

Console.Write("\n");

Console.WriteLine("Student 3");

StudentSum student2 = new StudentSum();

student2.number1 = rnd.Next(0, 101);

student2.number2 = rnd.Next(0, 101);

student2.number3 = rnd.Next(0, 101);

student2.WriteNumbers();

student2.Average();

student2.Sum();

Console.Write("\n");

Console.WriteLine("Student 4");

StudentSum student3 = new StudentSum();

student3.number1 = rnd.Next(0, 101);

student3.number2 = rnd.Next(0, 101);

student3.number3 = rnd.Next(0, 101);

student3.WriteNumbers();

student3.Average();

student3.Sum();

Console.Write("\n");

Console.ReadLine();

}

}

}