BỘ GIÁO DỰC VÀ ĐÀO TẠO ĐẠI HỌC DUY TÂN

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## BÀI THỰC HÀNH PHÀN 2 LỚP – ĐỐI TƯỢNG

Lập Trình Winforms: VB.NET / C#.NET

GIẢNG VIÊN: PHẠM VĂN DƯỢC

ĐÀ NẪNG 08/2019

```
Console.Out.Write("{0:f2} + {1:f2}i\n", C.real, C.imaginary);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               catch (FormatException) { Console.Out.Write("Invalid data");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          public static Complex_number A = new Complex_number();
public static Complex_number B = new Complex_number();
public static Complex_number C = new Complex_number();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       public static void Write_Complex(ref Complex_number C)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C.real = double.Parse(Console.ReadLine());
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               public static void Print_Complex(Complex_number C)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Console.Out.Write("real component:");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ---- Nhap so phuc ----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ----- Xem so phuc
                                                                                                                                                                                                                                                                                                                                          public struct Complex number
                                                                                                                                                                                                                                                                                                                                                                                                                                           public double imaginary;
                                                              System.Collections.Generic;
                                                                                                                                                                                                                                                                                                                                                                                                         public double real;
                                                                                                                                    using System. Text;
                                                                                                  using System.Ling;
                                                                                                                                                                                                         namespace so_phuc
                                                                                                                                                                                                                                                                       class Program
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             try
                              using System;
Bài 5:
                                                                using
```

```
\widehat{\mathbf{B}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 public static Complex number Subtraction (Complex number A, Complex number
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \widehat{\mathbb{B}}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Complex number
                                                                                                                                                                                                                                                                                                     public static Complex_number Sum(Complex_number A, Complex number
                                                                                                                                                                                        catch (FormatException) { Console.Out.Write("Invalid data");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C.imaginary = A.real * B.imaginary + A.imaginary * B.real;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C.real = A.real * B.real - A.imaginary * B.imaginary;
                                                                                                               C.imaginary = double.Parse(Console.ReadLine());
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           public static Complex_number Multi(Complex_number A,
                                                                        Console.Out.Write("real imaginary:");
                                                                                                                                                                                                                                                                       ----- Tong 2 so phuc ------
                                                                                                                                                                                                                                                                                                                                                                                    Complex number C = new Complex number();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Complex_number C = new Complex_number();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Complex number C = new Complex number();
                                                                                                                                                                                                                                                                                                                                                                                                                                                               C.imaginary = A.imaginary + B.imaginary;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         C.imaginary = A.imaginary - B.imaginary;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ---- Nhan 2 so phuc ----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ---- Hieu 2 so phuc --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  so phuc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      C.real = A.real - B.real;
                                                                                                                                                                                                                                                                                                                                                                                                                           C.real = A.real + B.real;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      return C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             return C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       return C;
try
```

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Write_Complex(ref B); Print_Complex(B);
Console.Out.Write("\nA + B ="); C = Sum(A, B); Print_Complex(C);
Console.Out.Write("\nA - B ="); C = Subtraction(A, B); Print_Complex(C);
Console.Out.Write("\nA x B ="); C = Multi(A, B); Print_Complex(C);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            + Math.Pow(A.imaginary, 2)));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            = Division(A, B); Print_Complex(C);
public static Complex number Division (Complex number A, Complex number B)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    return Math.Sqrt(Math.Pow(A.real, 2) + Math.Pow(A.imaginary, 2));
                                                                                                                                                                                                                                                                                       C.imaginary = (A.imaginary * B.real - A.real * B.imaginary)
                                                                                                                                                                                                                                       C.real = (A.real * A.imaginary + B.real * B.imaginary) / t;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Console.Out.Write("\nArgument(A)={0:F2} pi", Argument(A));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               return Math.Acos(A.real / Math.Sqrt(Math.Pow(A.real, 2)
                                                                                                                                                                                          t = Math.Pow(B.real, 2) + Math.Pow(B.imaginary, 2);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Console.Out.WriteLine("Input complex number A:");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Console.Out.WriteLine("Input complex number B:");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    public static double Argument(Complex number A)
                                                                                               Complex number C = new Complex number();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    public static double Modul(Complex number A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Write_Complex(ref A); Print_Complex(A);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Console.Out.Write("\nA / B ="); C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ---- Module phuc ----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ----- main function
                                                                                                                                                                                                                                                                                                                                                                                                                                       --- Argument --
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 static void Main(string[] args)
                                                                                                                                               double t = 0;
                                                                                                                                                                                                                                                                                                                                            return C;
```

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V
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Console.Out.Write("\nModule(A)={0:F2}", Modul(A)); Console.ReadLine();