# BÁO CÁO THỰC HÀNH

## IT3103 – LẬP TRÌNH HƯỚNG ĐỐI TƯỢNG

## Tuần 1

### Bài 2.2.1

```
| The | Debug | Property | The | Debug Console | Terminal | Ports | Condents | Property | The | Debug Console | Terminal | Ports | Condents | Property | P
```

#### Bài 2.2.2



#### Bài 2.2.3

#### Bài 2.2.4

```
J ShowTwoNumbersjava X

Code > J ShowTwoNumbersjava > ...

import javax.swing.JOptionPane;

public class ShowTwoNumbers {

Run|Debug

public static void main(String[] args) {

String strNum1, strNum2;

String strNum1, strNum2;

strNum1 = JOptionPane.showInputDialog(parentComponent:null,

message:"Please input the first number: ", title:"Input the first number",

JOptionPane.INFORMATION_MESSAGE);

strNum2 = JOptionPane.showInputDialog(parentComponent:null,

message:"Please input the second number: ", title:"Input the second number: ", t
```

#### Bài 2.2.5

#### Bài 2.2.6

```
J Giaihept2an.java X
                                                                                                                                     D ∨ III ...
Code > Solve226 > J Giaihept2an.java > .
      public class Giaihept2an {
              String inputA11 = JOptionPane.showInputDialog(message:"Nhap he so a11");
               double a11 = Double.parseDouble(inputA11);
               String inputA12 = JOptionPane.showInputDialog(message:"Nhap he so a12");
               double a12 = Double.parseDouble(inputA12);
               String inputB1 = JOptionPane.showInputDialog(message:"Nhap he so b1");
              double b1 = Double.parseDouble(inputB1);
              String inputA21 = JOptionPane.showInpu Message
              double a21 = Double.parseDouble(input
                                                       He phuong trinh vo nghiem.
               String inputA22 = JOptionPane.showInp
               double a22 = Double.parseDouble(input
                                                                   ОК
               String inputB2 = JOptionPane.showInputDialog(message:"Nhap he so b2");
               double b2 = Double.parseDouble(inputB2);
```

```
J Giaihept2an.java X
                                                                                                                                           D D ~ III ..
      public class Giaihept2an {
           Run|Debug
public static void main(String[] args) {
               String inputA11 = JOptionPane.showInputDialog(message:"Nhap he so a11");
               double a11 = Double.parseDouble(inputA11);
               String inputA12 = JOptionPane.showInputDialog(message:"Nhap he so a12");
               double a12 = Double.parseDouble(inputA12);
               String inputB1 = JOptionPane.showInputDialog(message:"Nhap he so b1"); double b1 = Double.parseDouble(inputB1);
               String inputA21 = JOptionPane.showInput Message
                                                                                          ×
               double a21 = Double.parseDouble(input)
                                                                He phuong trinh co vo so nghiem.
               String inputA22 = JOptionPane.showInp
               double a22 = Double.parseDouble(input
                                                                         OK
               String inputB2 = JOptionPane.showInputDialog(message:"Nhap he so b2");
               double b2 = Double.parseDouble(inputB2);
```



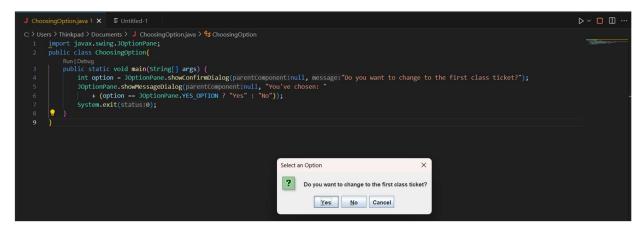
```
ь v Ш ..

J Giaiptbac2.java 

X

          Run|Debug
public static void main(String[] args) {
               String inputA = JOptionPane.showInputDialog(message:"Nhap he so a (a ≠ 0)");
               double a = Double.parseDouble(inputA);
                   JOptionPane.showMessageDialog(parentComponent:null, message:"He so a phai khac 0.");
               String inputB = JOptionPane.showInputD
               double b = Double.parseDouble(inputB); Message
                                                              Phuong trinh co nghiem kep:
                                                       (i)
               String inputC = JOptionPane.showInputC
                                                              x = -1.0
               double c = Double.parseDouble(inputC)
                                                                      ОК
               double discriminant = b * b - 4 * a *
               String message:
               if (discriminant > 0) {
```

## Bài 6.1







#### **Bài 6.2**

#### **Bài 6.3**

```
▷ ▷ ∨ □ …
          public static void main(String[] args) {
                System.out.print(s:"Nhap n: ");
int n = scanner.nextInt();
                drawTriangle(n);
            public static void drawTriangle(int n) {
                      for (int j = 0; j < n - i - 1; j++) {
    System.out.print(s: ");
                      for (int k = 0; k < 2 * i + 1; k++) {
                          System.out.print(s:"*");
       0
                      System.out.println();
PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
                                                                                                                                             *****
******
PS C:\Users\Thinkpad\Documents\GitHub\OOP.Lab.20242.750864.20235848.Dao_Bao_Tram\Lab01\Code\ cd "c:\Users\Thinkpad\Documents\GitHub\OOP.Lab.20242.750864.20235848.Dao_Bao_Tram\Lab01\Code\"; if (\$?) { javac Draw63.java }; if (\$?) { java Draw63 }
Nhap n: 5
 *****
 ******
```

```
▷ ▷ ∨ □ …
J Displaydaymonth64.java X
            Run|Debug
public static void main(String[] args) {
                  String monthInput;
                      System.out.print(s:"Nhap thang ");
monthInput = scanner.nextLine().trim();
                       System.out.print(s:"Nhap nam ");
if (scanner.hasNextInt()) {
        ?
                            year = scanner.nextInt();
                             scanner.nextLine();
                            if (year >= 0) {
                                 int days = getDaysInMonth(monthInput, year);
                                       System.out.println("Thang " + monthInput + " trong nam " + year + " co " + days + " ngay");
PROBLEMS 5 OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
                                                                                                                                                        ∑ Code + ~ □ · · · · · ×
Thang 7 trong nam 2019 co 31 ngay
PS C:\Users\Thinkpad\Documents\GitHub\OOP.Lab.20242.750864.20235848.Dao_Bao_Tram\Lab01\Code> cd "c:\Users\Thinkpad\Documents\GitHub\OOP.Lab.20242.750864.2
0235848.Dao_Bao_Tram\Lab01\Code\" ; if ($?) { javac Displaydaymonth64.java } ; if ($?) { java Displaydaymonth64 }
Nhap nam 2023
Thang 2 trong nam 2023 co 28 ngay
PS C:\Users\Thinkpad\Documents\GitHub\OOP.Lab.20242.750864.20235848.Dao_Bao_Tram\Lab01\Code> cd "c:\Users\Thinkpad\Documents\GitHub\OOP.Lab.20242.750864.2
0235848.Dao_Bao_Tram\Lab01\Code\" ; if ($?) { javac Displaydaymonth64.java } ; if ($?) { java Displaydaymonth64 }
Nhap thang 2
Nhap nam 2024
Thang 2 trong nam 2024 co 29 ngay
```

#### Bài 6.5

```
▷ ▷ ∨ Ⅲ …
J Sorting65.java X
          public static void main(String[] args) {
              Scanner scanner = new Scanner(System.in);
              System.out.print(s:"Nhap so so hang: ");
              int n = scanner.nextInt();
              System.out.println(x:"Nhap day so:");
              system.out.print("So thu " + (i + 1) + ": ");
array[i] = scanner.nextInt();
              int temp = array[i];
array[i] = array[j];
array[j] = temp;
PROBLEMS (5) OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
                                                                                                                    Nhap day so:
So thu 2: 35
So thu 3: 24
So thu 4: 20
So thu 5: 17
So thu 6: 12
Sap xep: 2 12 17 20 24 35
Tong: 110
Trung binh: 18.333333333333333
```