BÁO CÁO THỰC HÀNH LAB 1 – LẬP TRÌNH HƯỚNG ĐỐI TƯỢNG

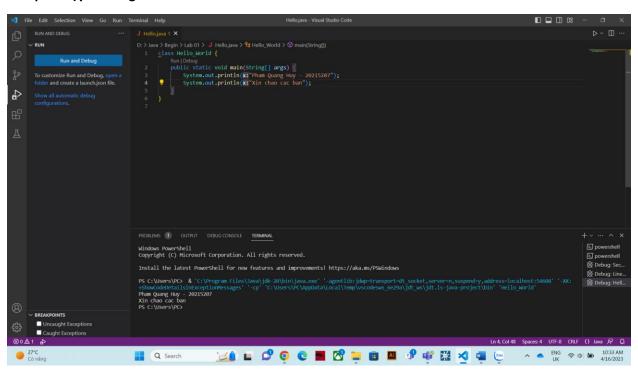
Họ và tên: Phạm Quang Huy - MSSV: 20215207

Example:

Example 1: Write, compile the first Java program:

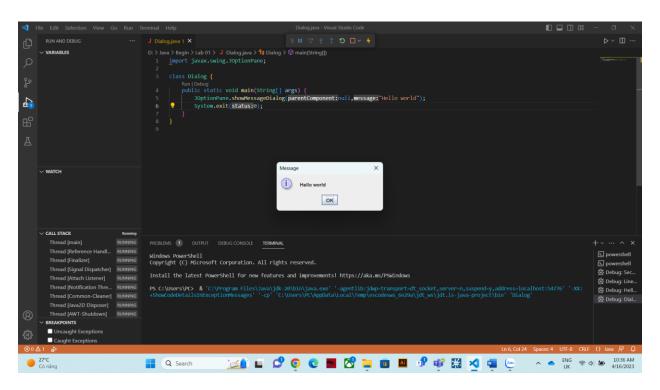
Code:

Kết quả chạy chương trình:



Example 2: Write, compile the first dialog Java program

Kết quả thực hiện chạy chương trình



Example 3: Write, compile the first input dialog Java application

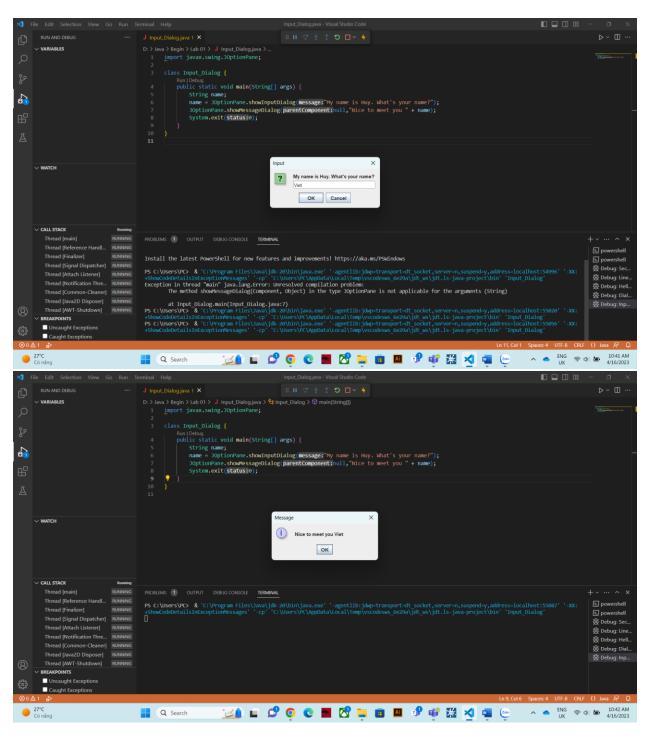
Code:

```
D:>Java > Begin > Lab 01 > J Input_Dialog.java > ...

import javax.swing.JOptionPane;

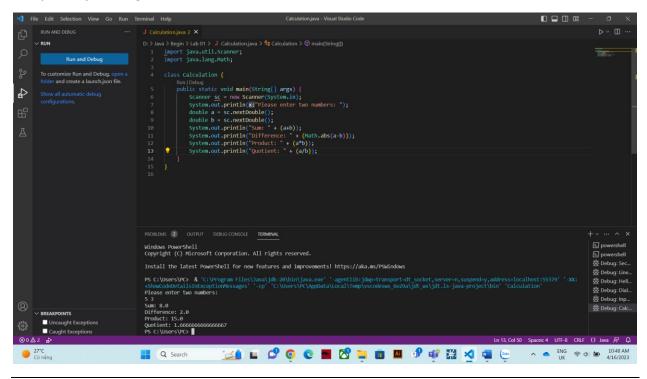
class Input_Dialog {
    Run | Debug
    public static void main(String[] args) {
    String name;
    name = JOptionPane.showInputDialog(message:"My name is Huy. What's your name?");
    JOptionPane.showMessageDialog(parentComponent:null, "Nice to meet you " + name);
    System.exit(status:0);
}

System.exit(status:0);
}
```



Example 4: Write a program to calculate sum, difference, product, and quotient of 2 double numbers which are entered by users.

Kết quả chạy chương trình:

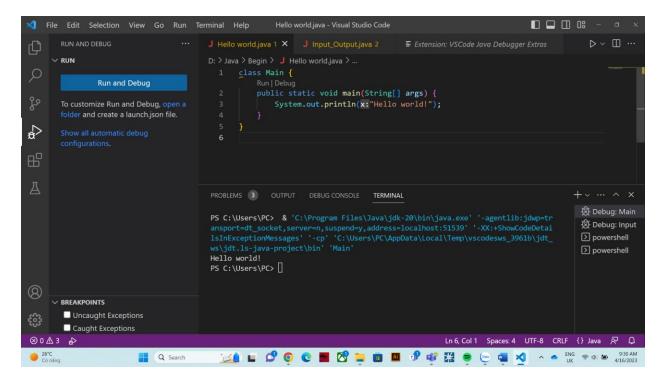


Exercises:

Bài 1: First Java program

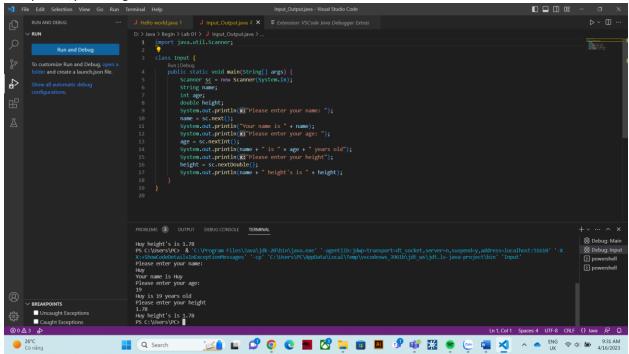
Code:

Kết quả chạy:



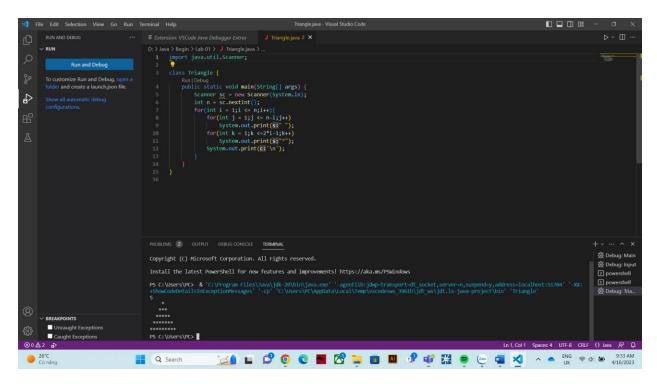
Bài 2: Input and Output from keyboard.

Kết quả chạy chương trình:

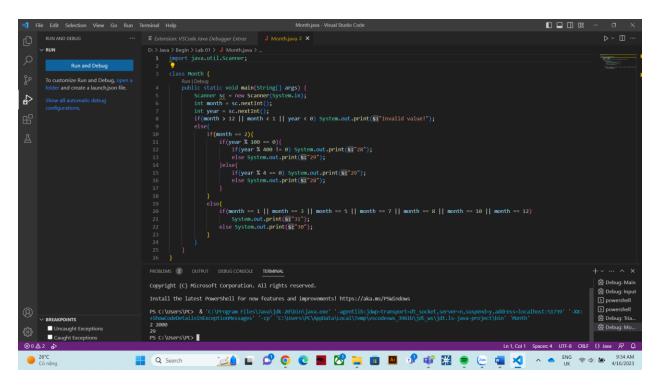


Bài 3: Print out a triangle

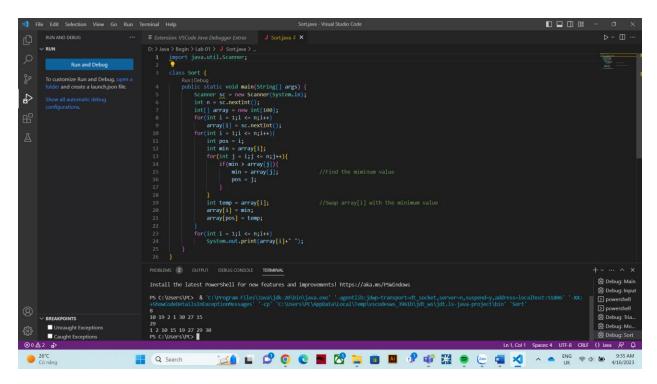
Code:



Bài 4: Number of days in a month

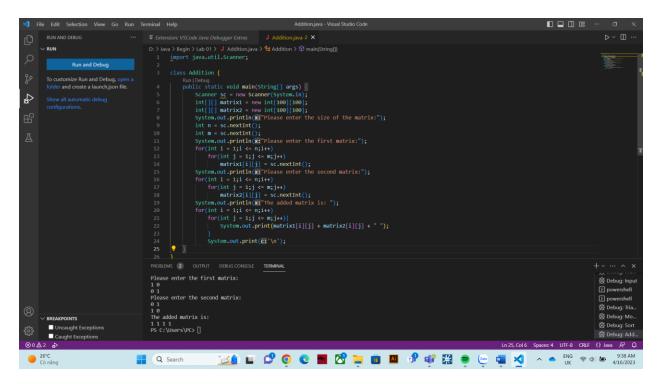


Bài 5: Sort a sequence of number

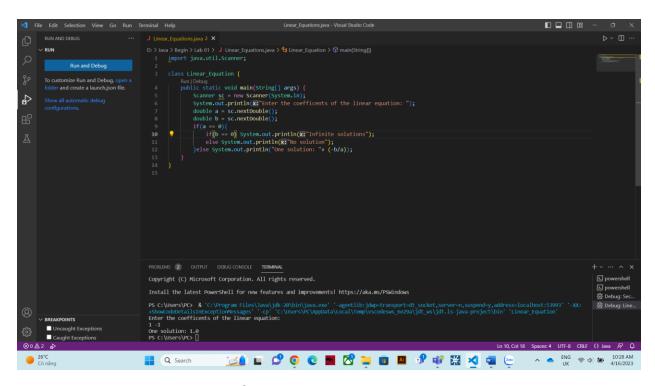


Bài 6: Add two matrices of the same size

```
import java.util.Scanner;
     class Addition {
         Run|Debug
public static void main(String[] args) {
             Scanner sc = new Scanner(System.in);
             int[][] matrix1 = new int[100][100];
             System.out.println(x:"Please enter the size of the matrix:");
             int n = sc.nextInt();
             int m = sc.nextInt();
             System.out.println(x:"Please enter the first matrix:");
                     matrix1[i][j] = sc.nextInt();
             System.out.println(x:"Please enter the second matrix:");
                 for(int j = 1; j <= m; j++)
 18
             System.out.println(x:"The added matrix is: ");
                 for(int j = 1; j \leftarrow m; j++){}
                     System.out.print(matrix1[i][j] + matrix2[i][j] + " ");
                 System.out.print(c:'\n');
```



Bài 7: Solve a linear equation ax + b = 0



Bài 8: Solve a quadratic equation: $ax^2 + bx + c = 0$

