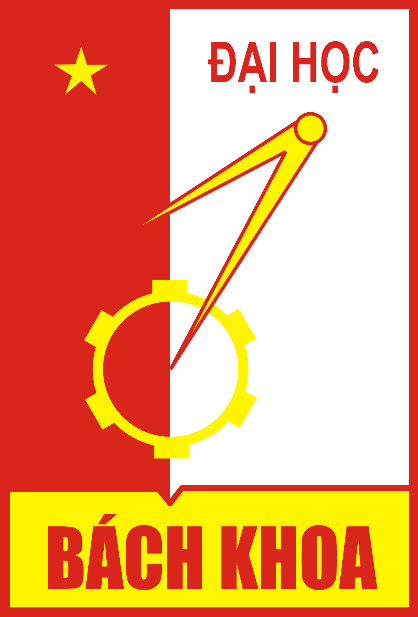
**ĐẠI HỌC BÁCH KHOA HÀ NỘI**

**TRƯỜNG CÔNG NGHỆ THÔNG TIN VÀ TRUYỀN THÔNG**



BÁO CÁO THỰC HÀNH

IT3103 – 744527 – 2024.1

**BÀI THỰC HÀNH – LAB 1**

|  |  |
| --- | --- |
| **Họ và tên SV:** | **Trịnh Hữu An** |
| **MSSV:** | **20225743** |
| **Lớp:** | **Việt Nhật 03 – K67** |
| **GVHD:** | **Lê Thị Hoa** |
| **HTDH:** | **Đặng Mạnh Cường** |

Hà Nội, tháng 9 năm 2024

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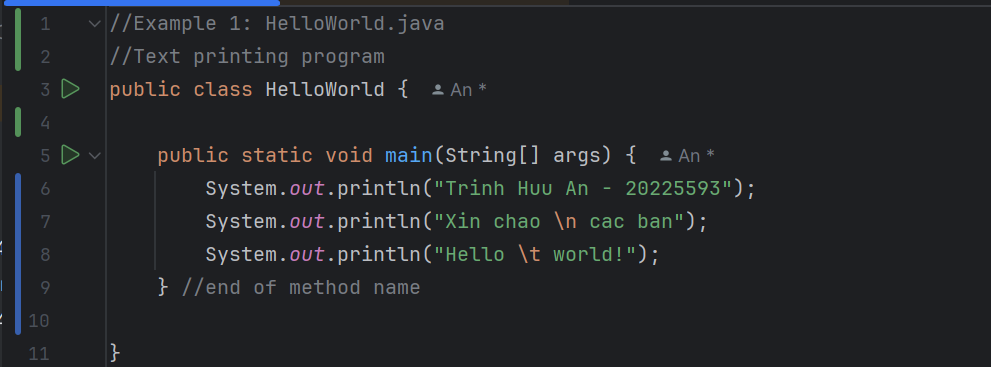
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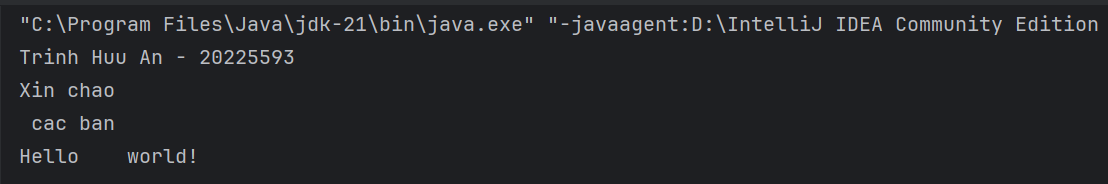
# First Programs

## The Very First Java Programs

### Write, compile the first Java application:

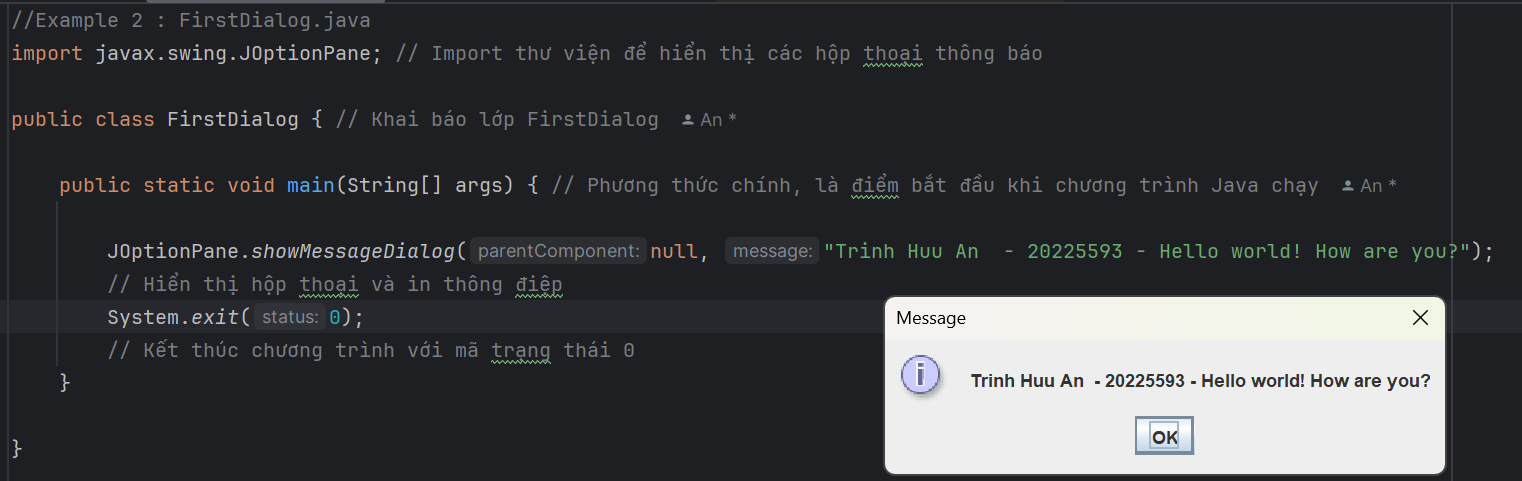


Hình 1: Mã nguồn Hello WorldWorld

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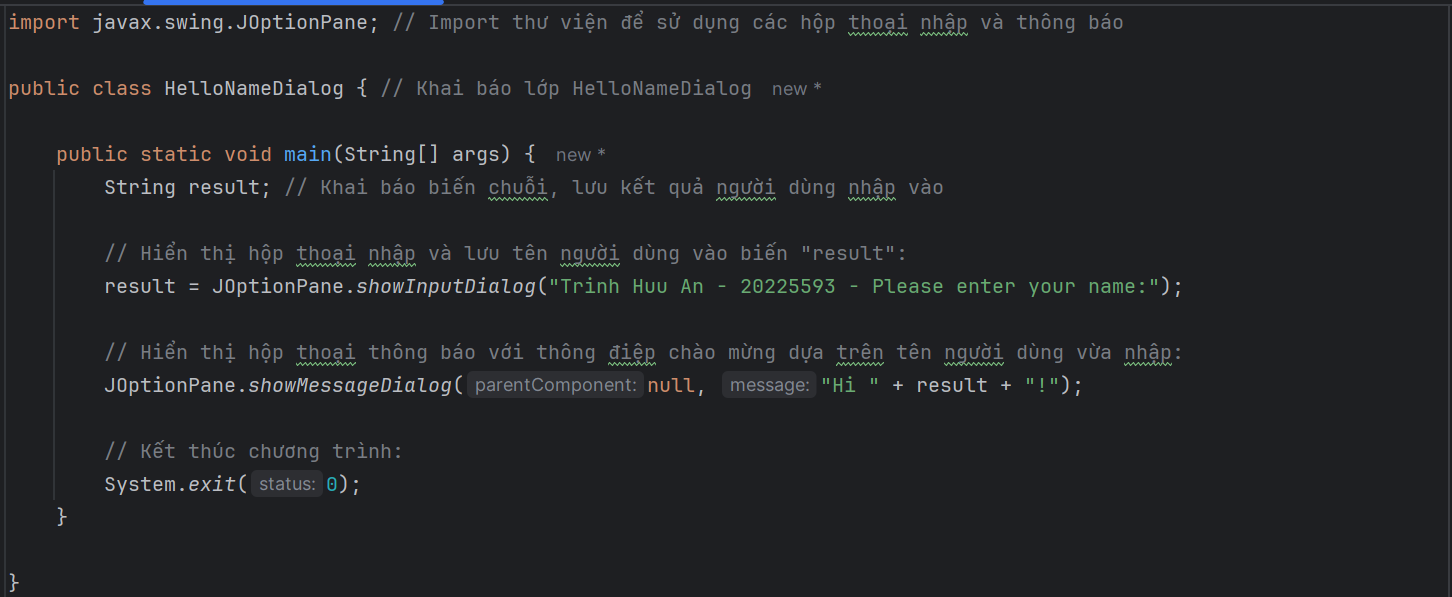
Hình 2: Kết quả mã nguồn Hello World

### Write, compile the first dialog Java program

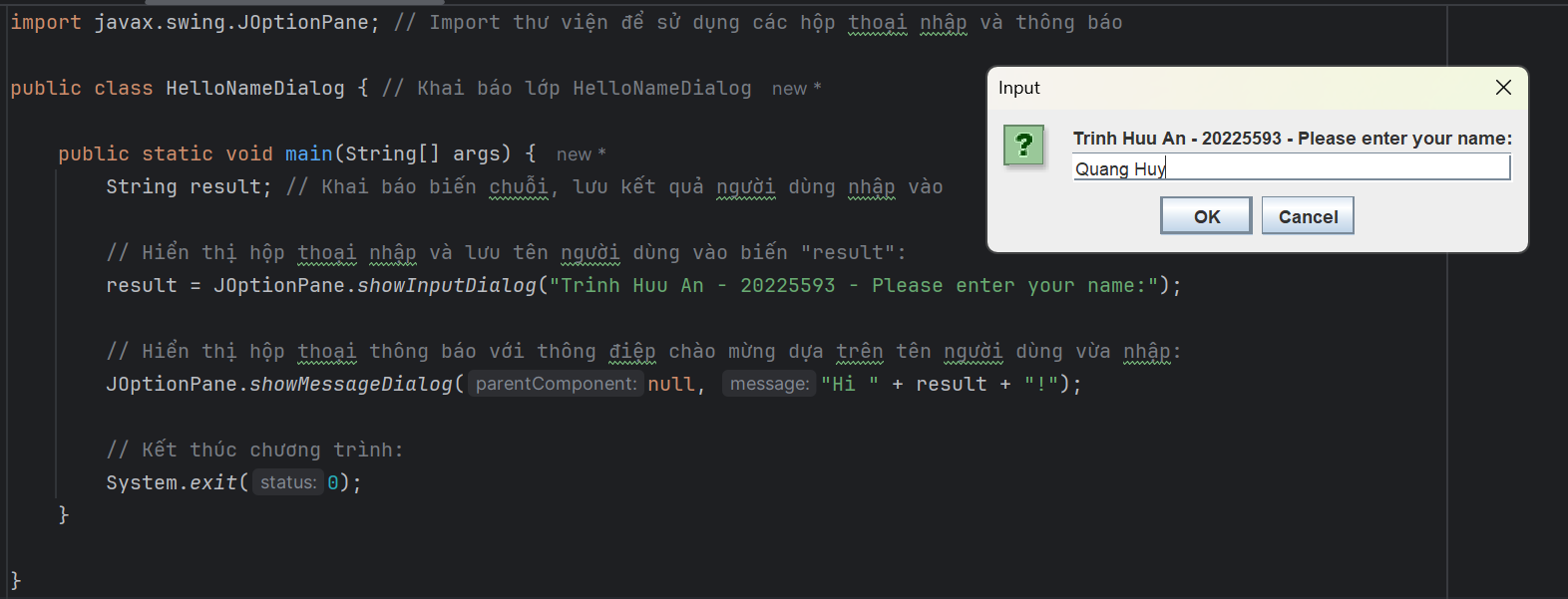


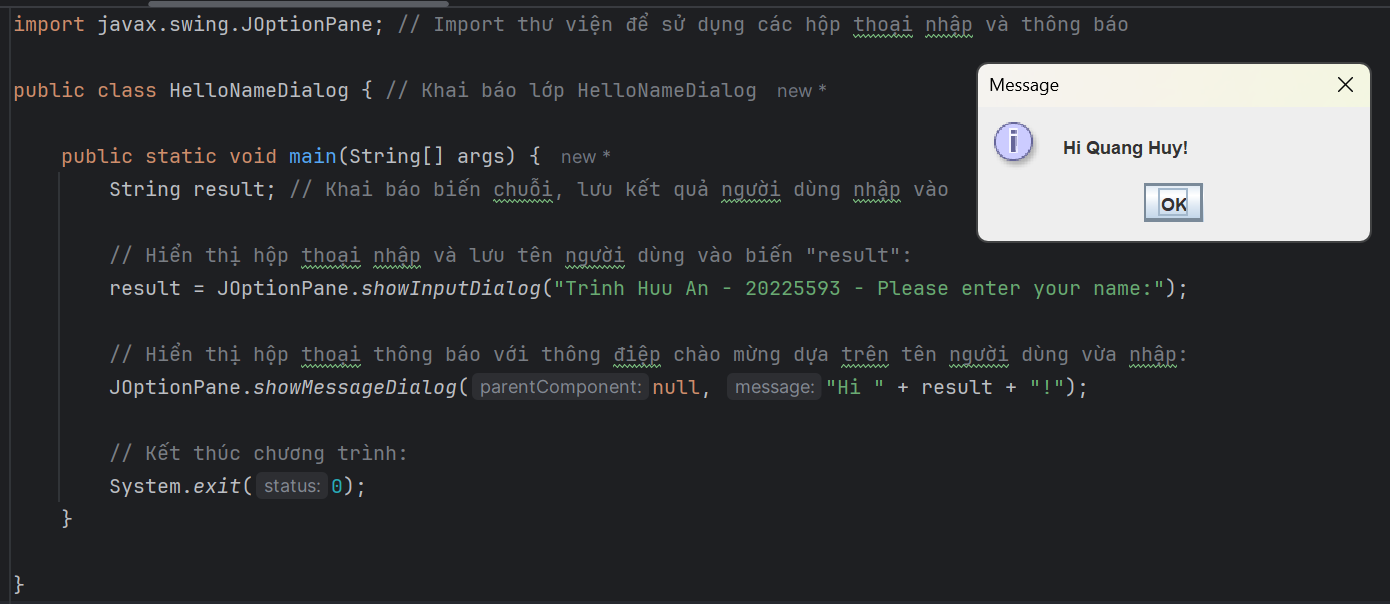
Hình 3: Mã nguồn và kết quả FirstDialog

### Write, compile the first input dialog Java application



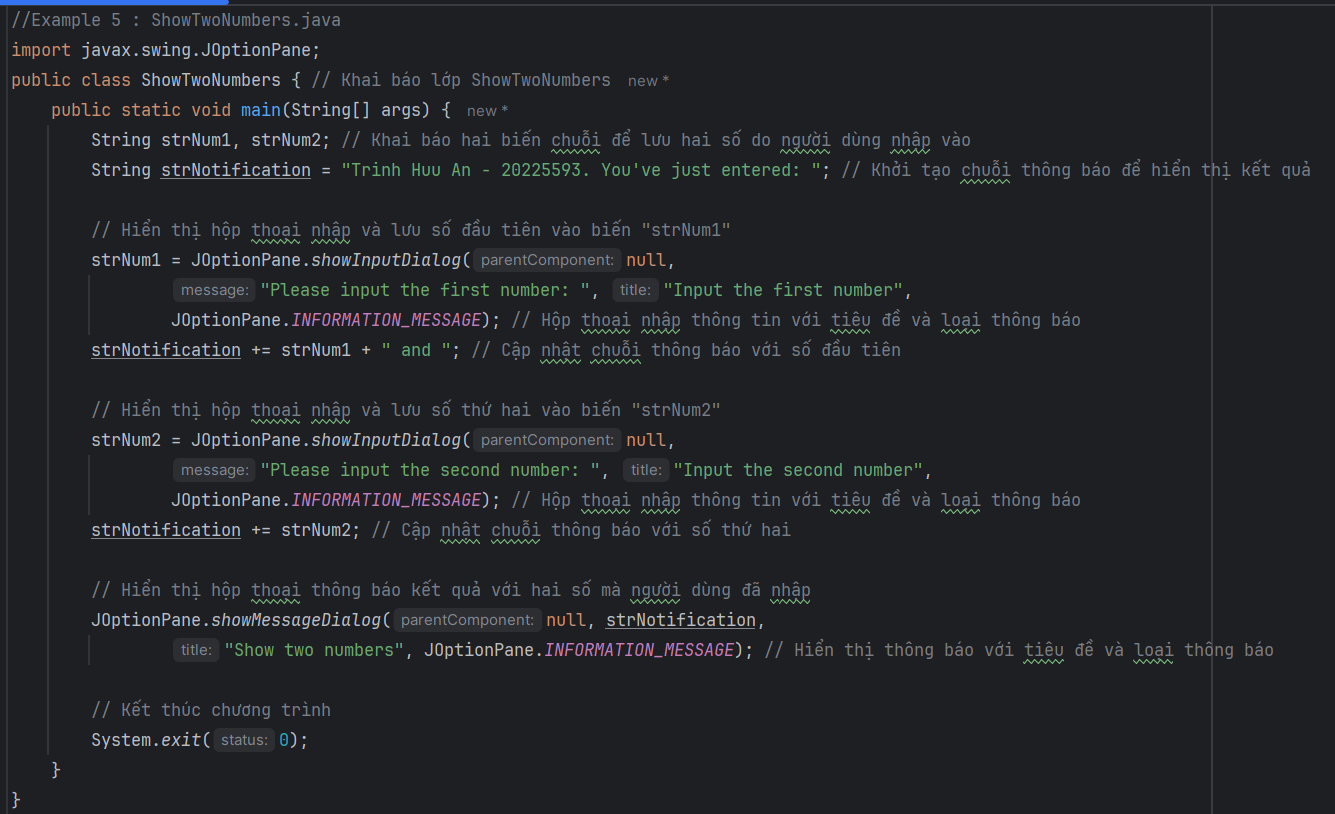
Hình 4: Mã nguồn HelloNameDialog



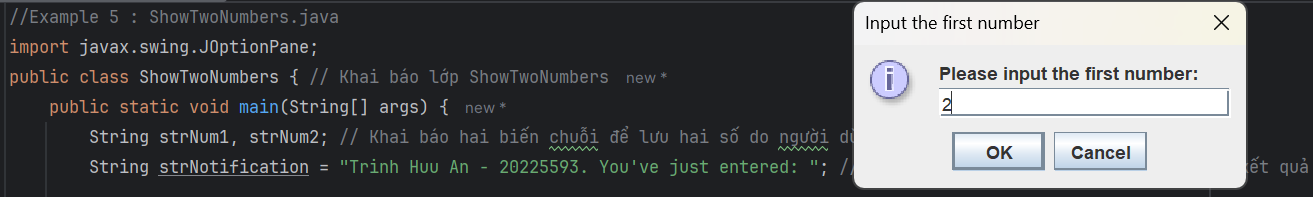


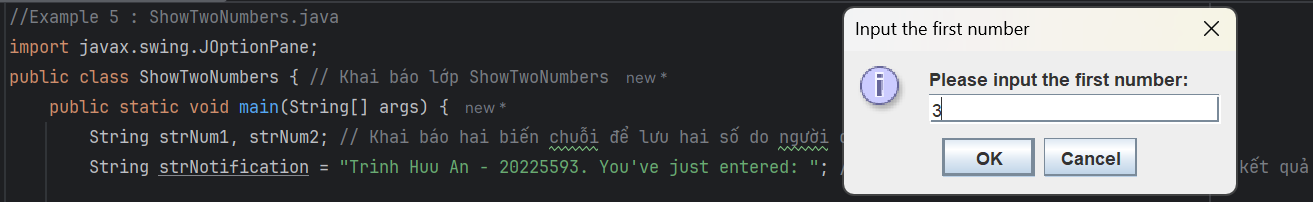
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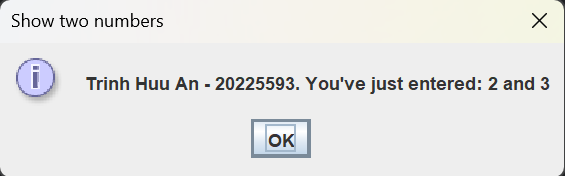
### Write, compile, and run the following example:



Hình 6: Mã nguồn ShowTwoNumbers

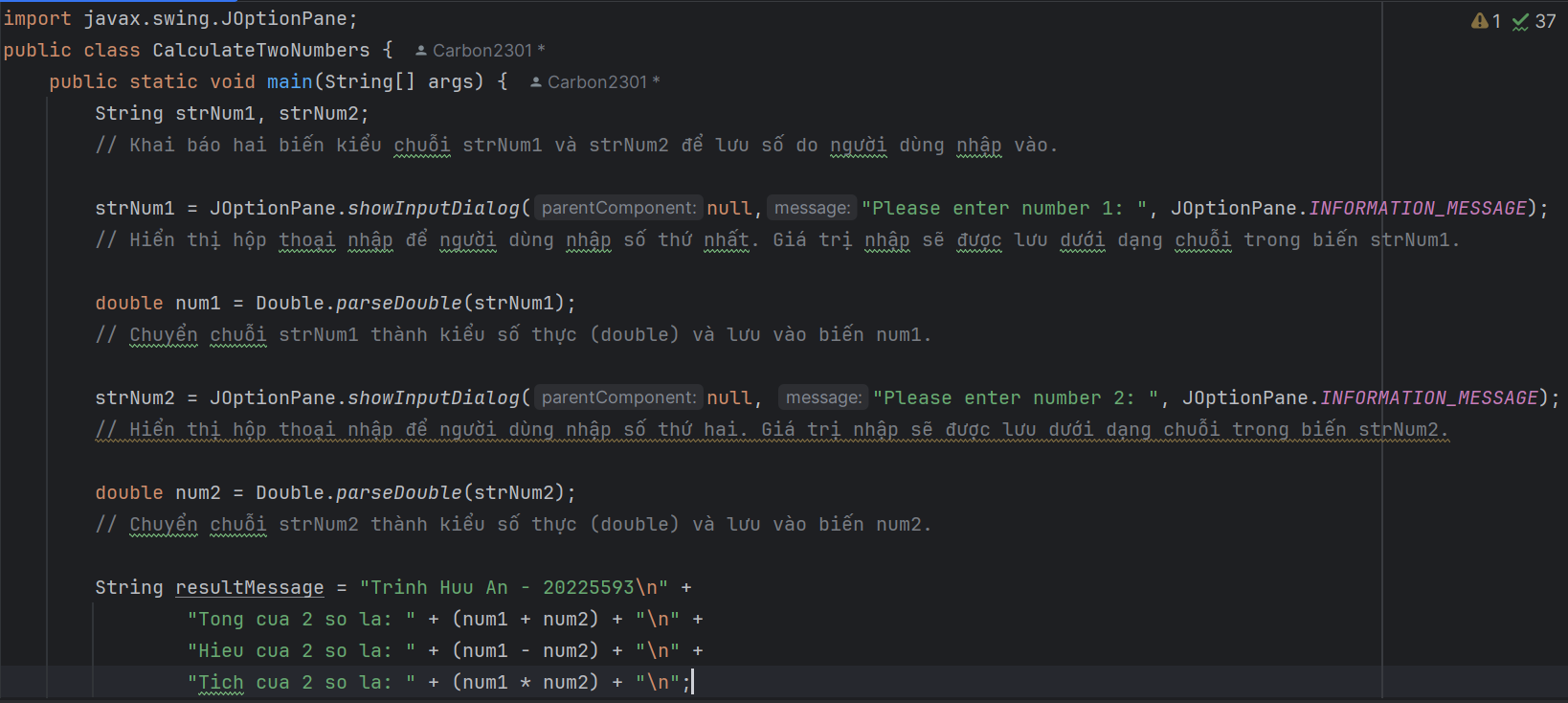


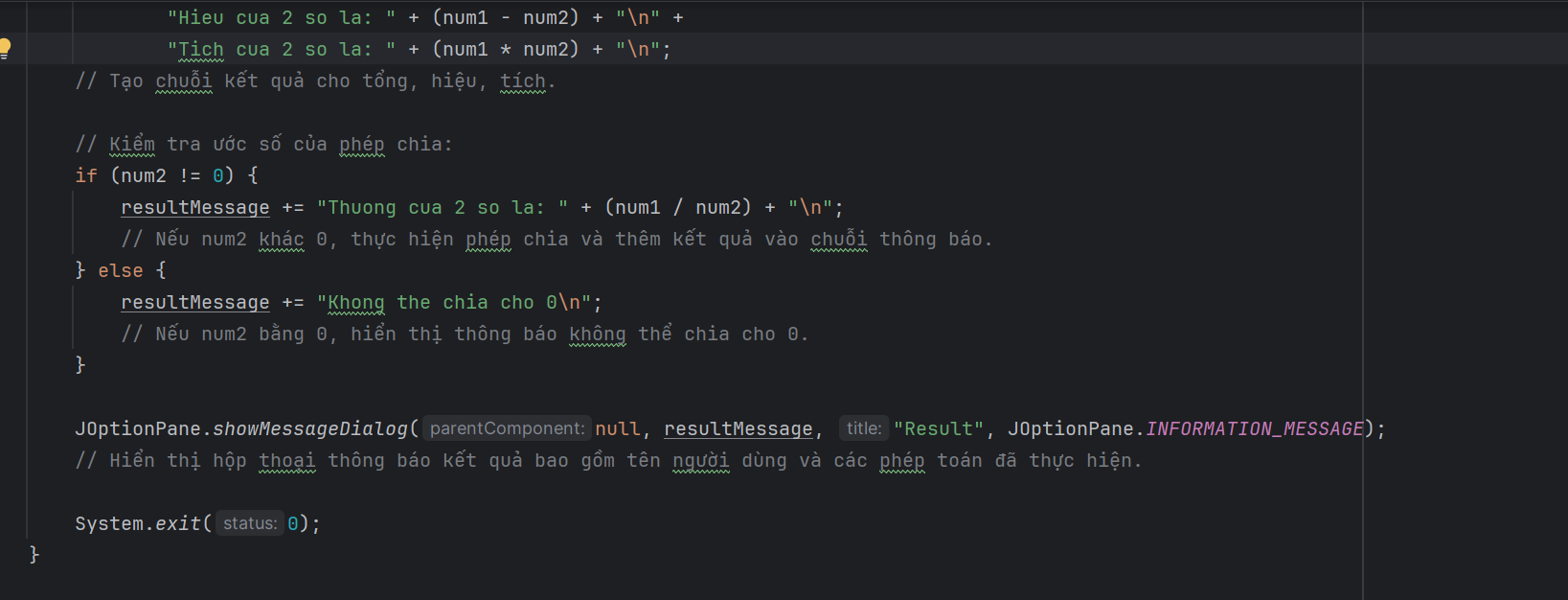




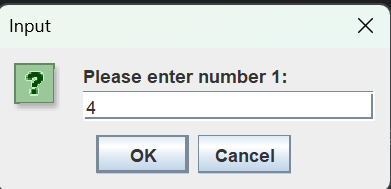
Hình 7: Kết quả ShowTwoNumber

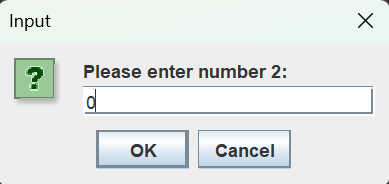
### Write a program to calculate sum, difference, product, and quotient of 2 double numbers which are entered by users.

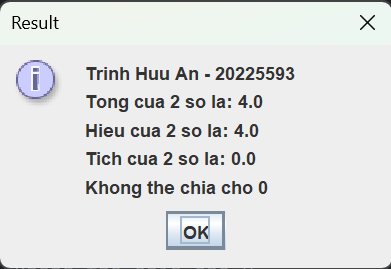


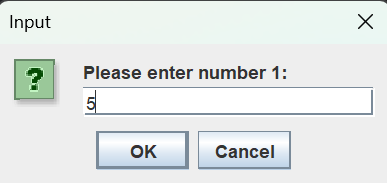


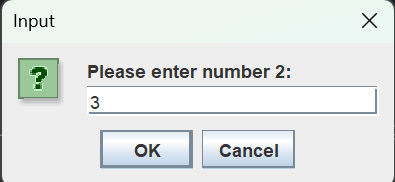
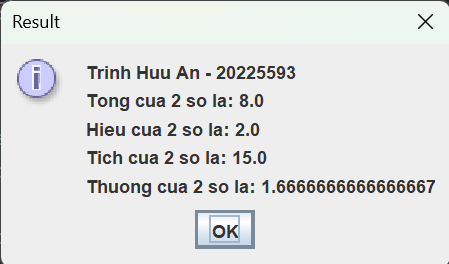
Hình 8: Mã nguồn CalculateTwoNumbers





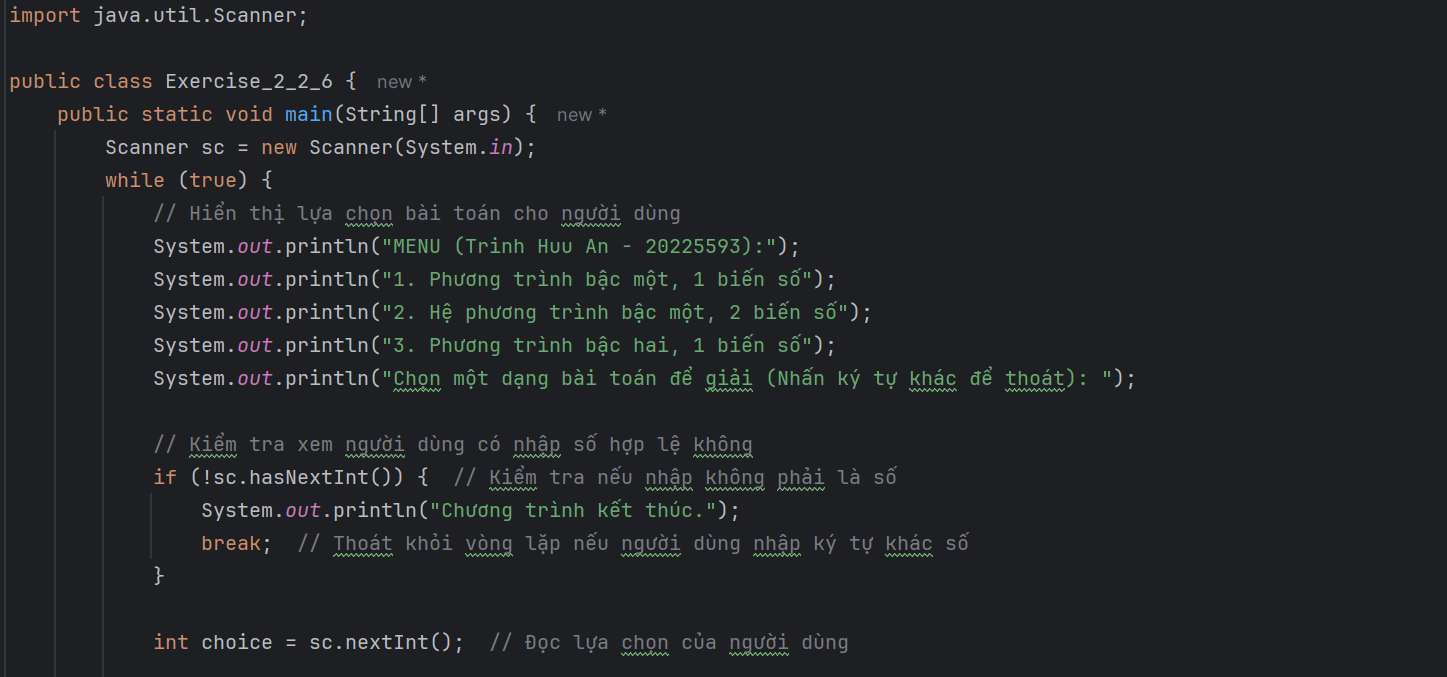


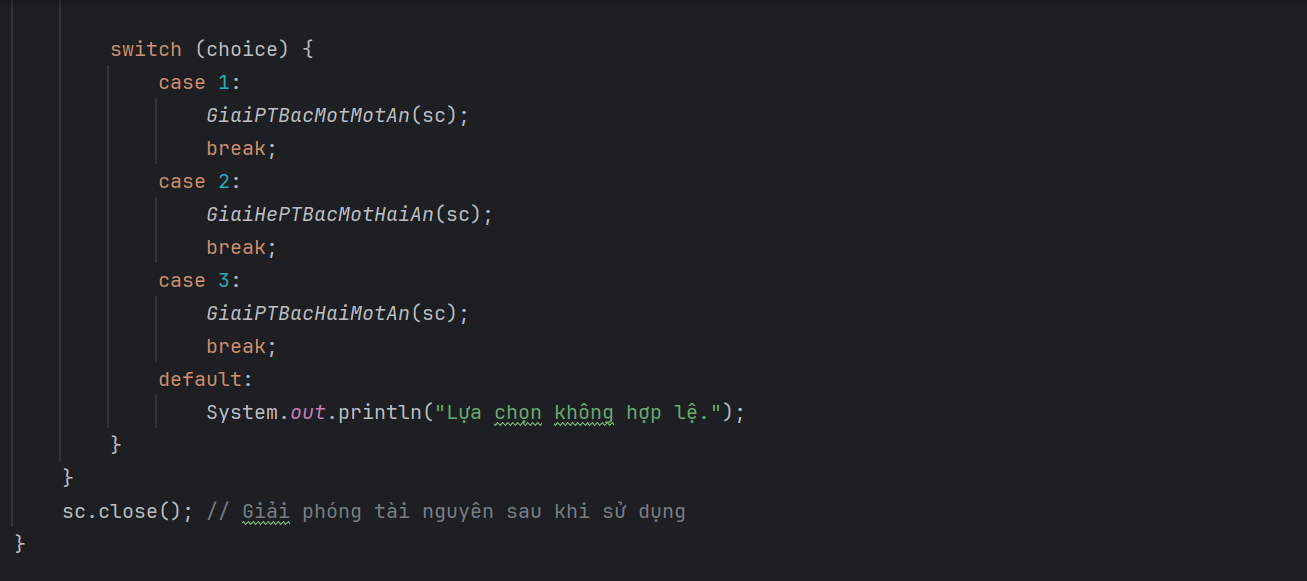


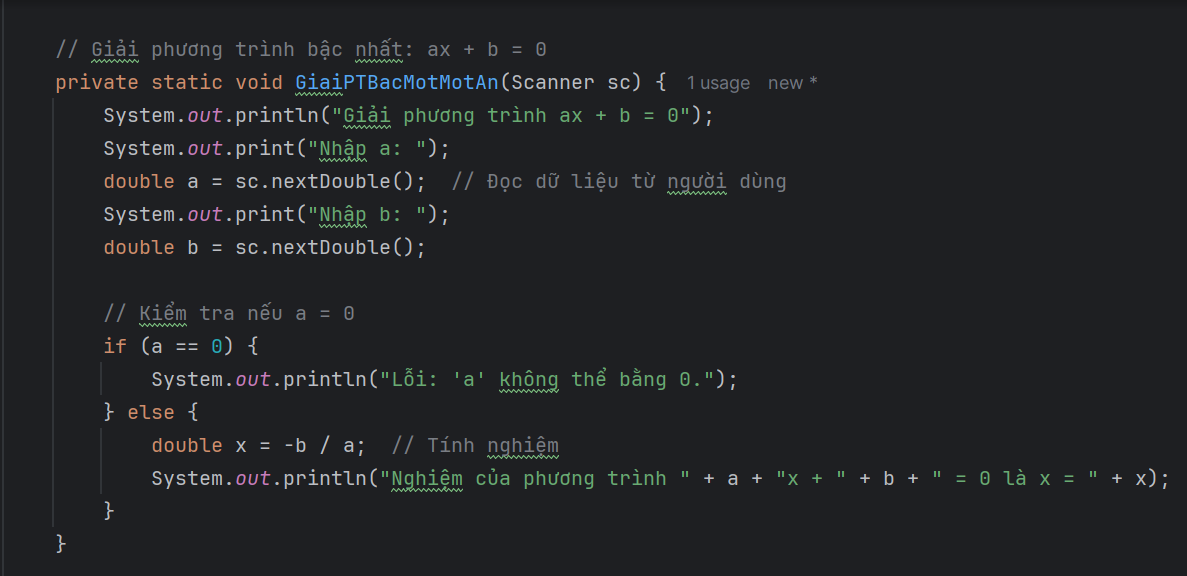
 

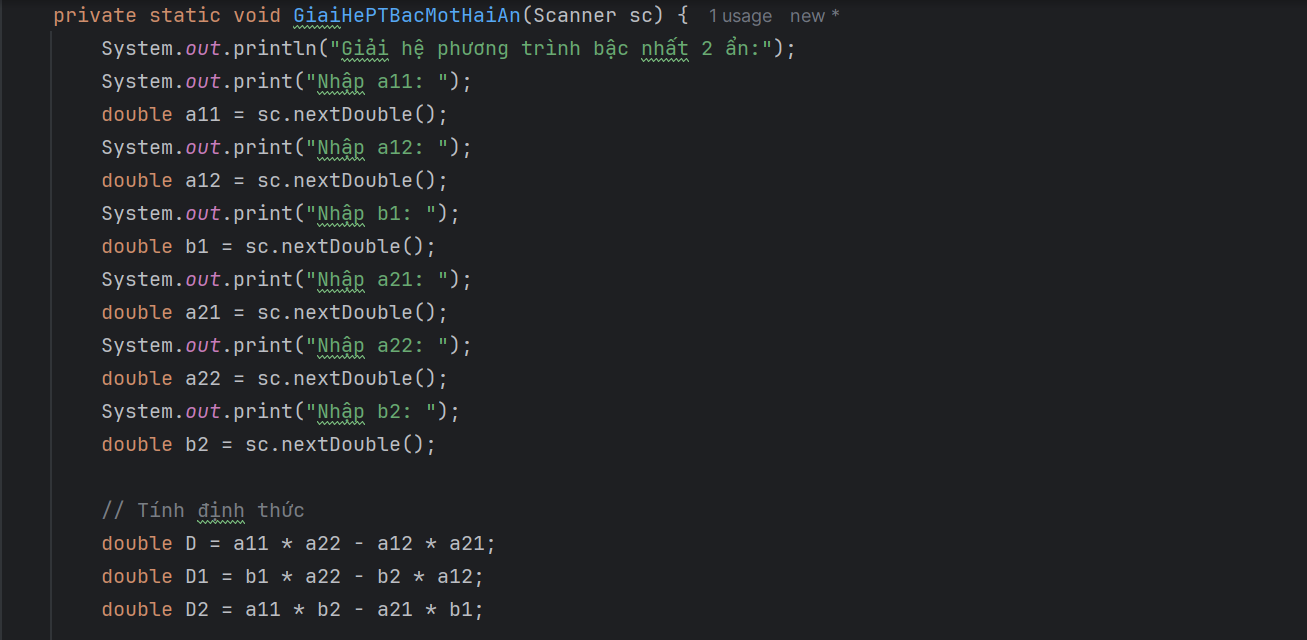
Hình 9: Kết quả CalculateTwoNumbers

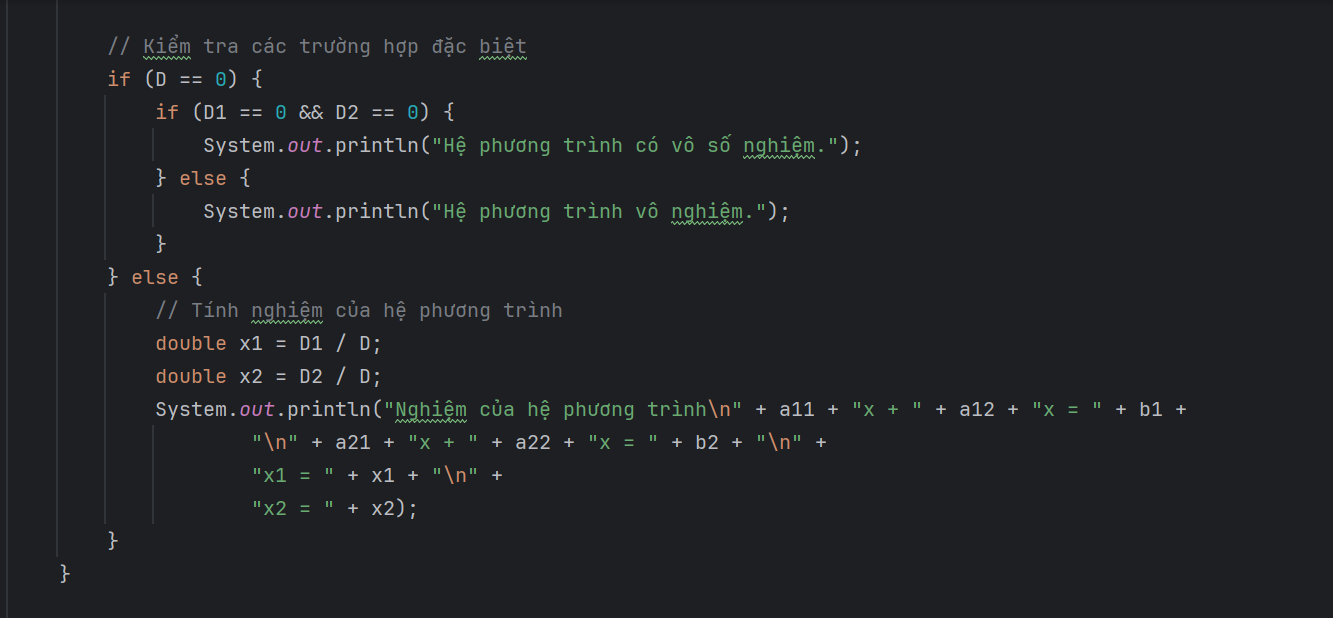
### Write a program to solve Exercise:

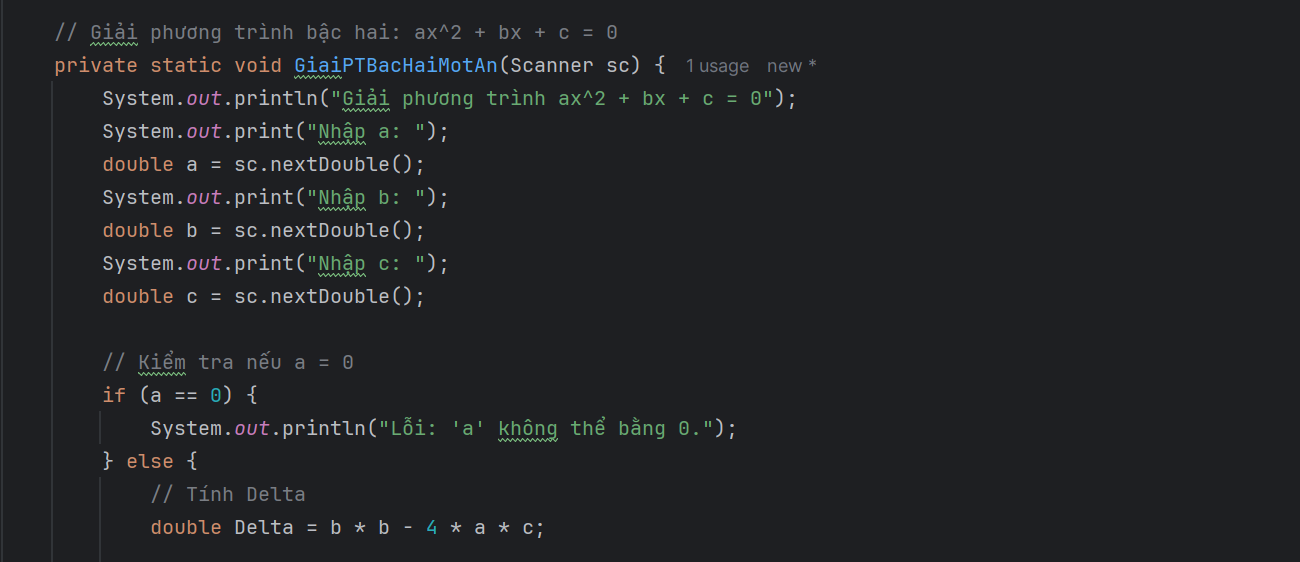


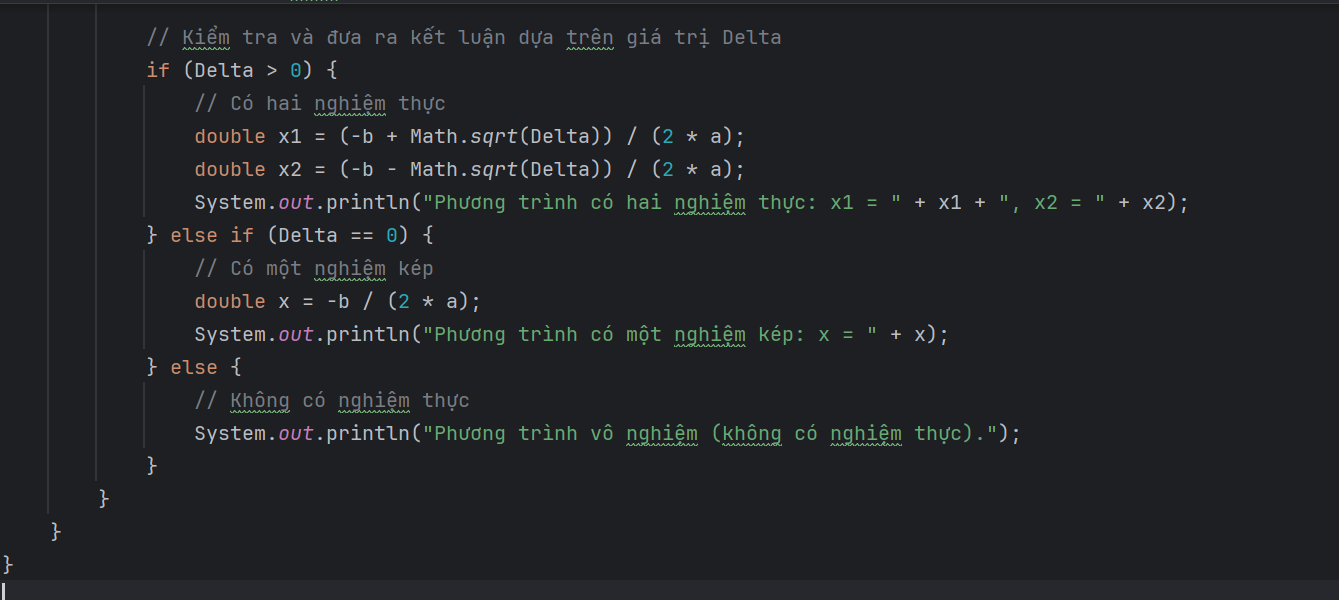




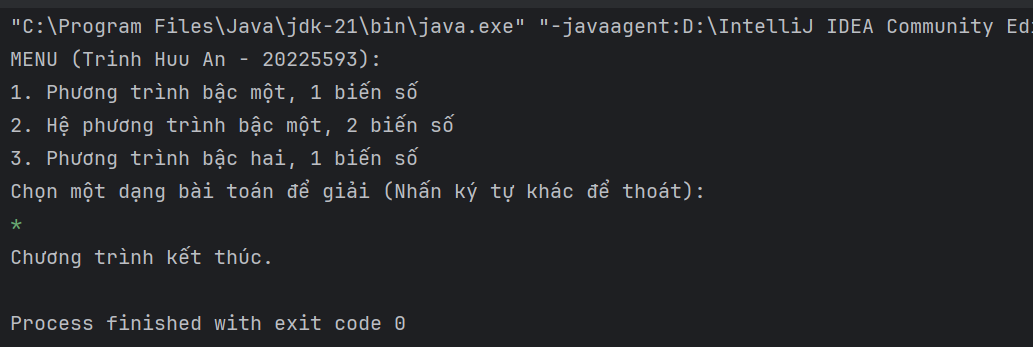


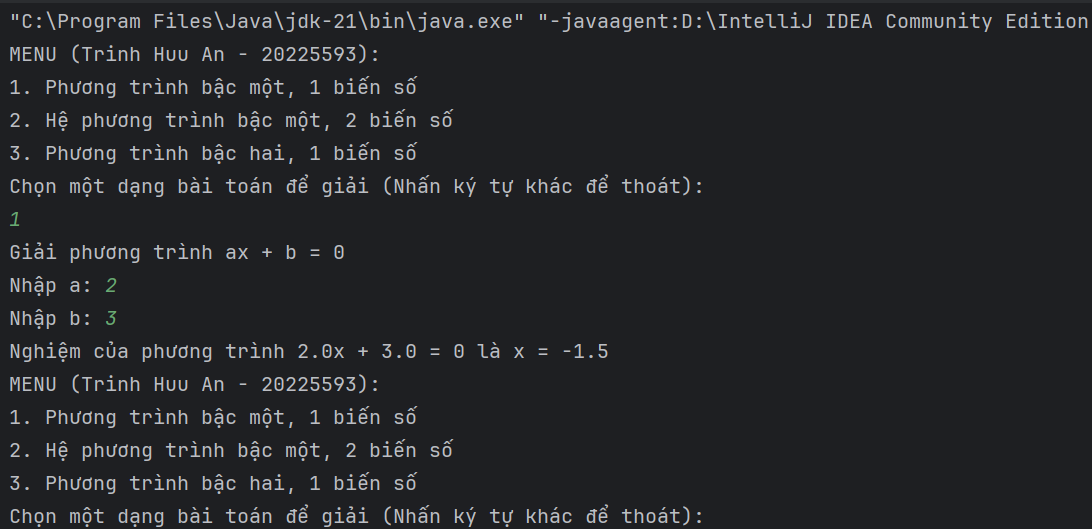


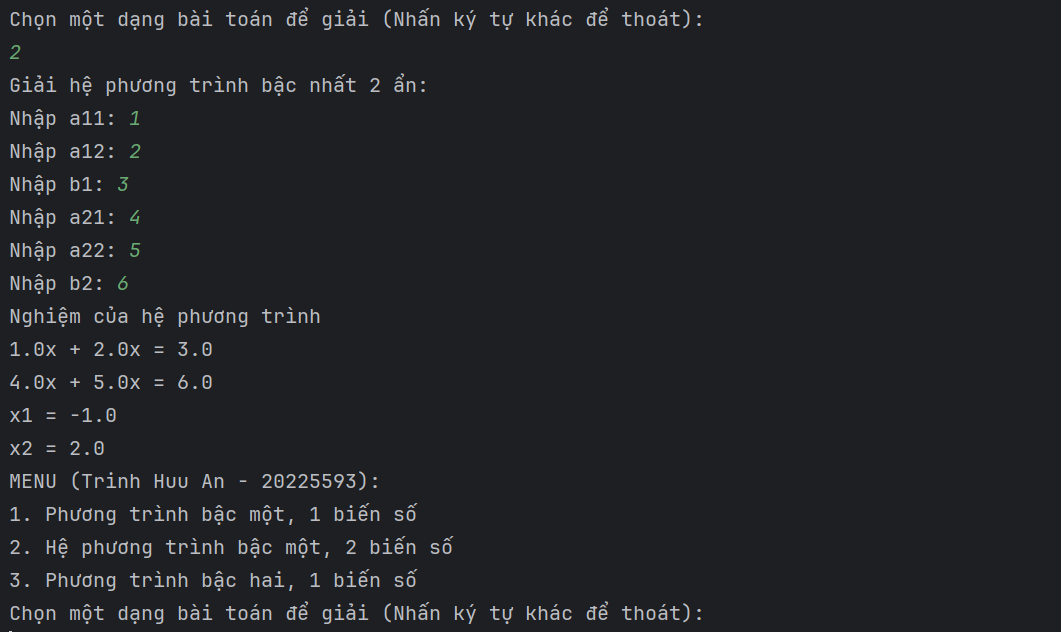


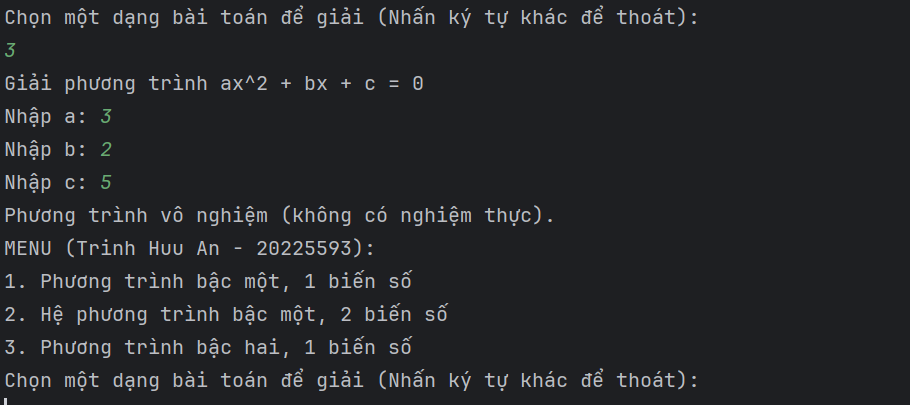


Hình 10: Mã nguồn Exercise\_2\_2\_6







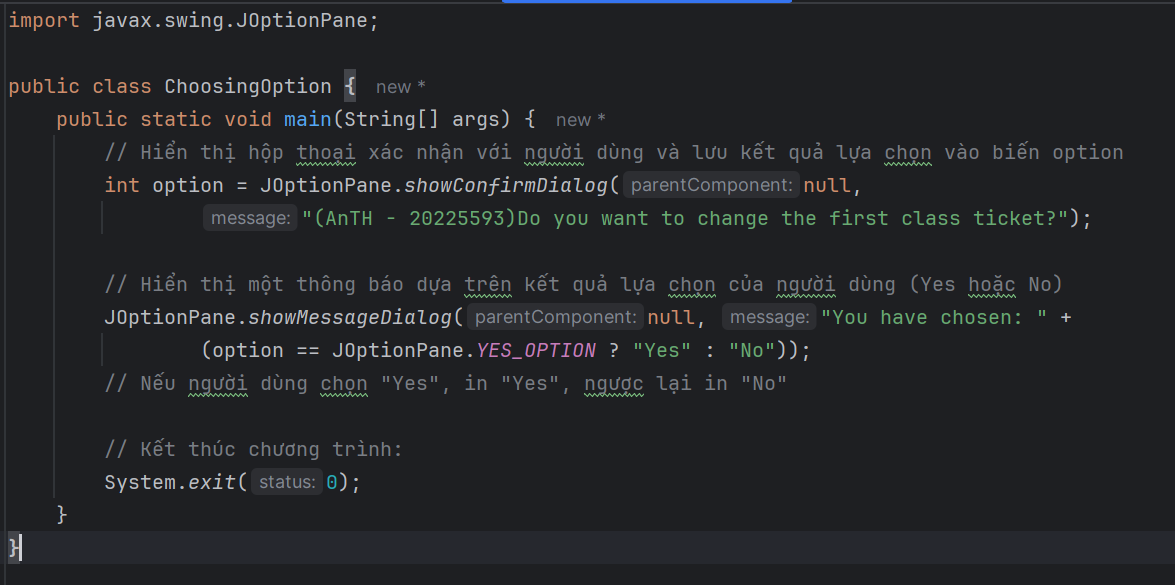


Hình 11: Kết quả Exercise\_2\_2\_6

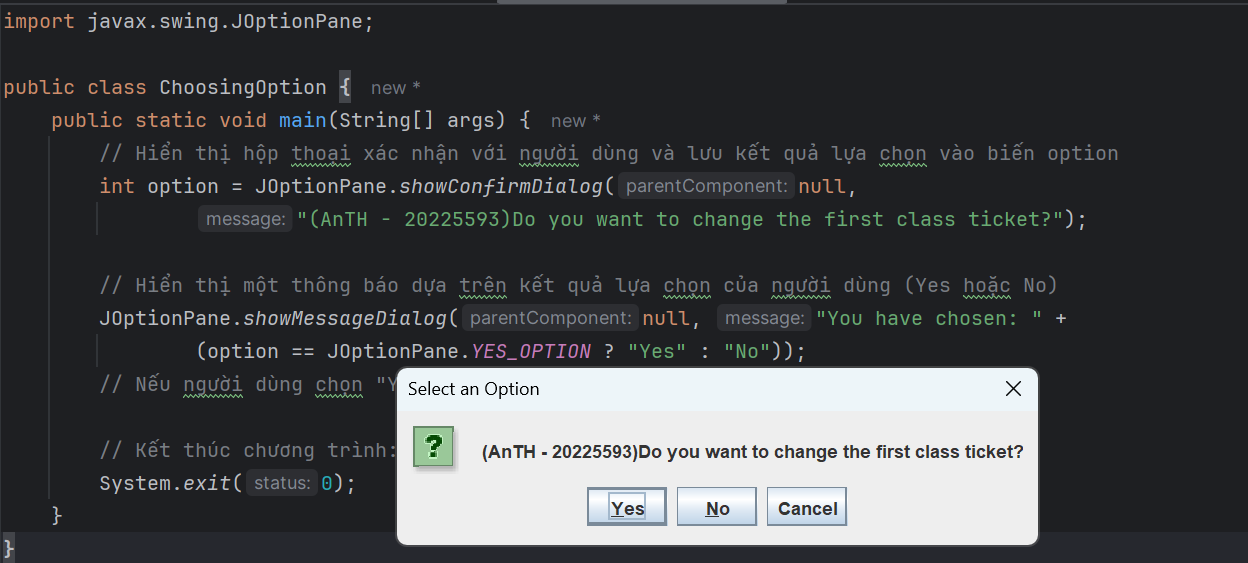
# Exercises

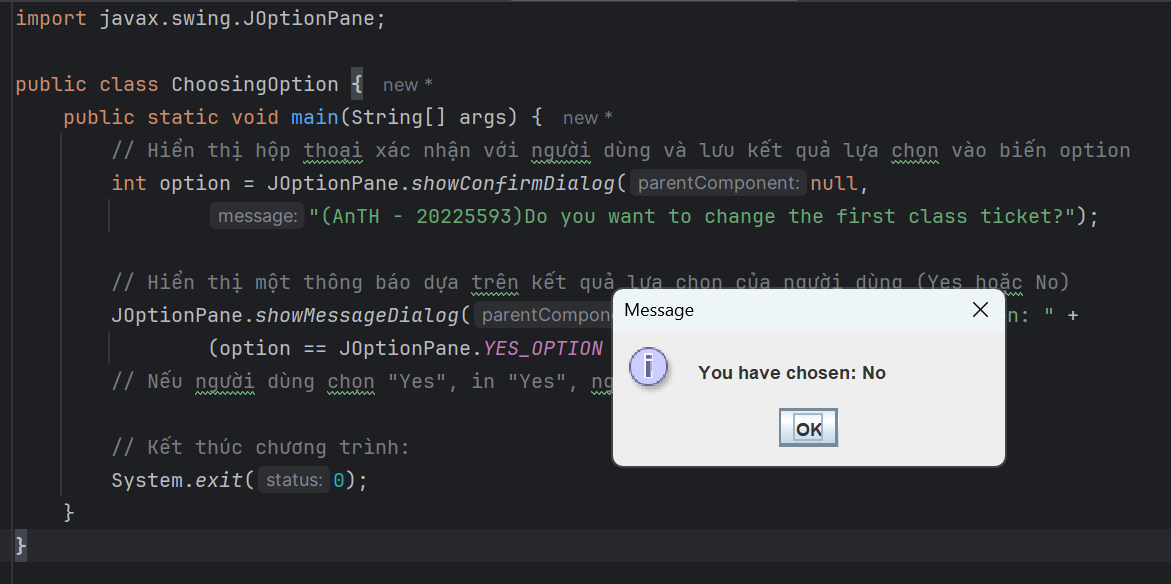
## Write, compile and run the ChoosingOption program:

.



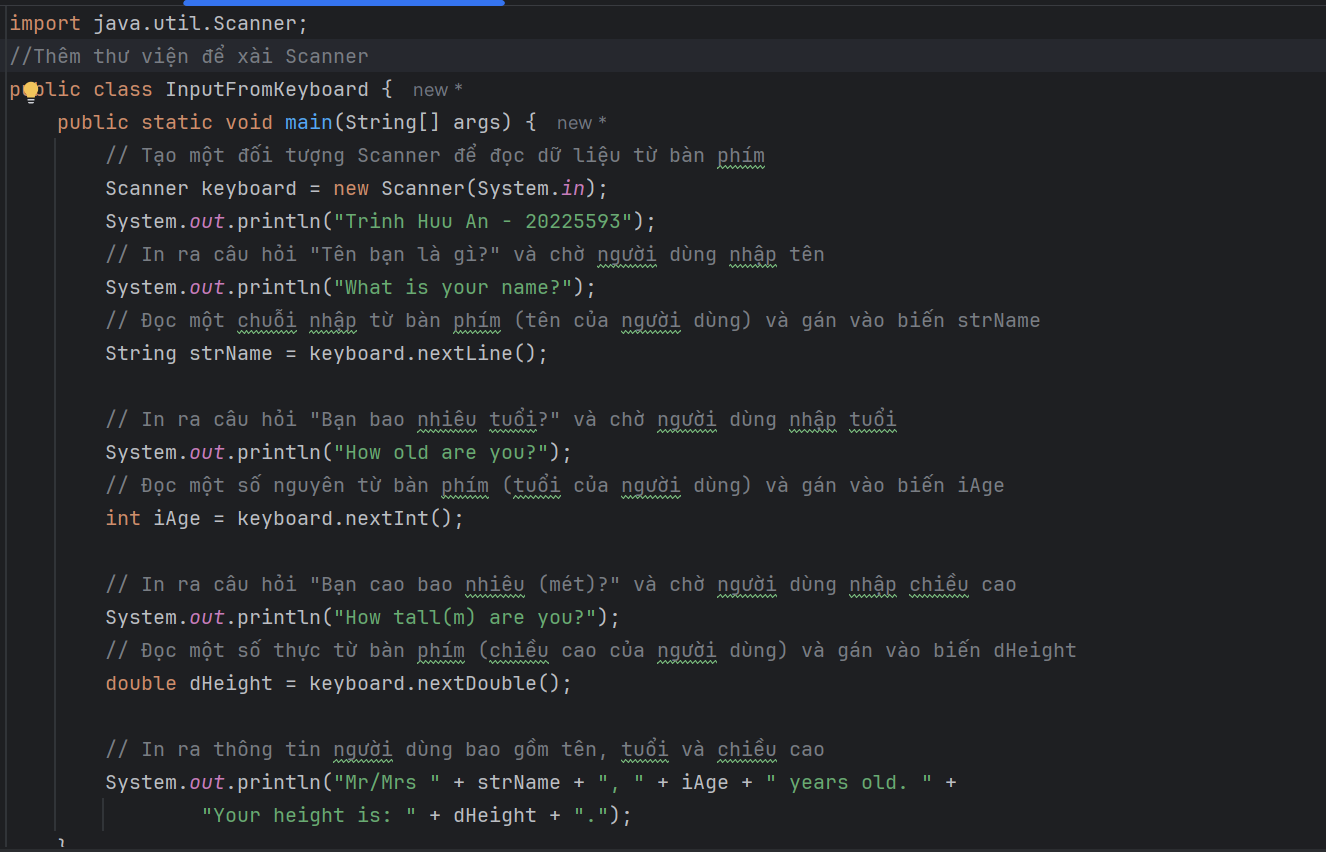
Hình 12: Mã nguồn ChoosingOption



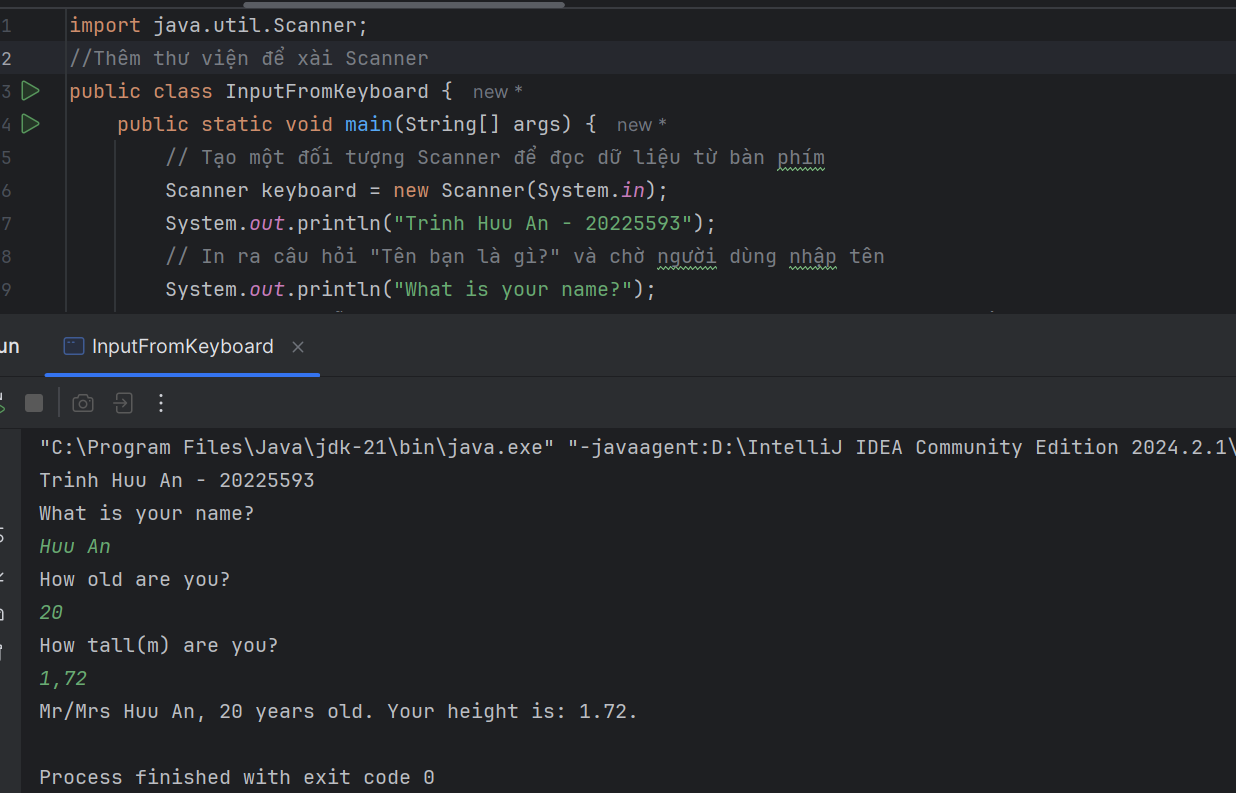


Hình 13: Kết quả ChoosingOption

## Write a program for input/output from keyboard

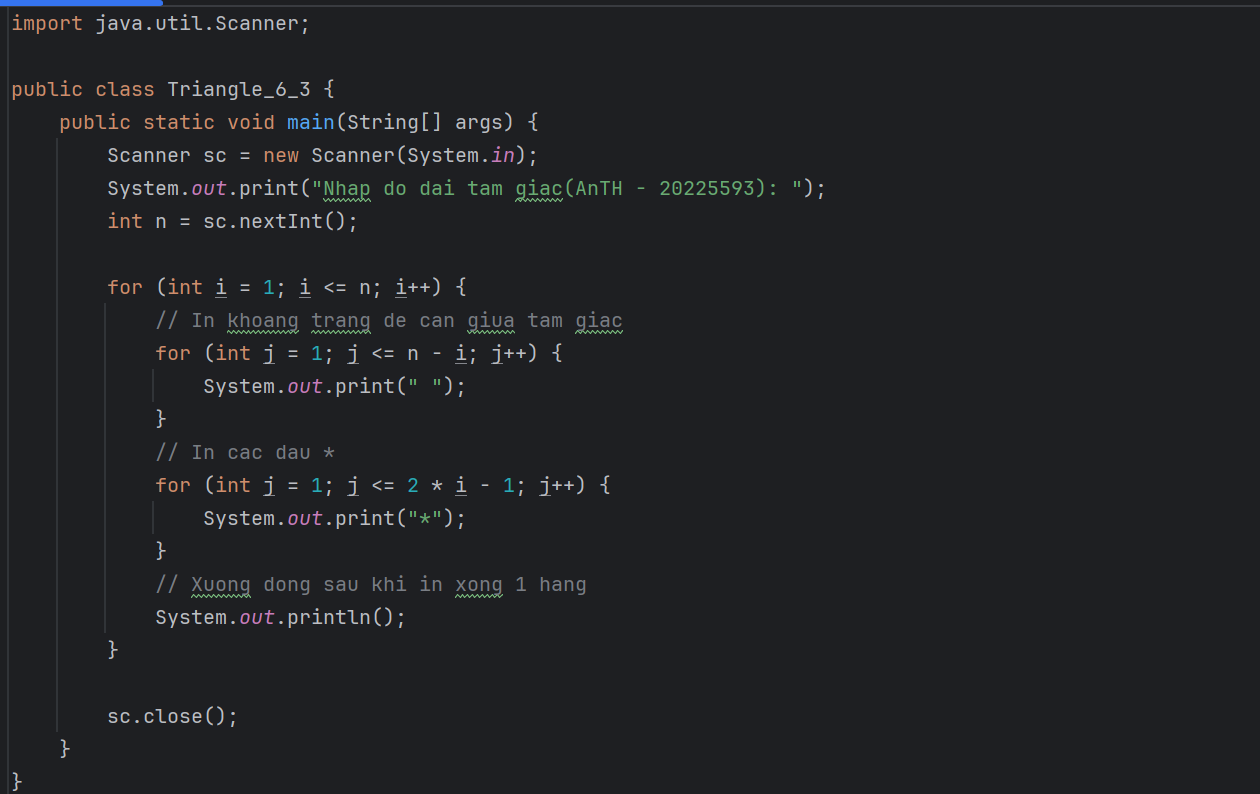


Hình 14: Mã nguồn InputFromKeyboard

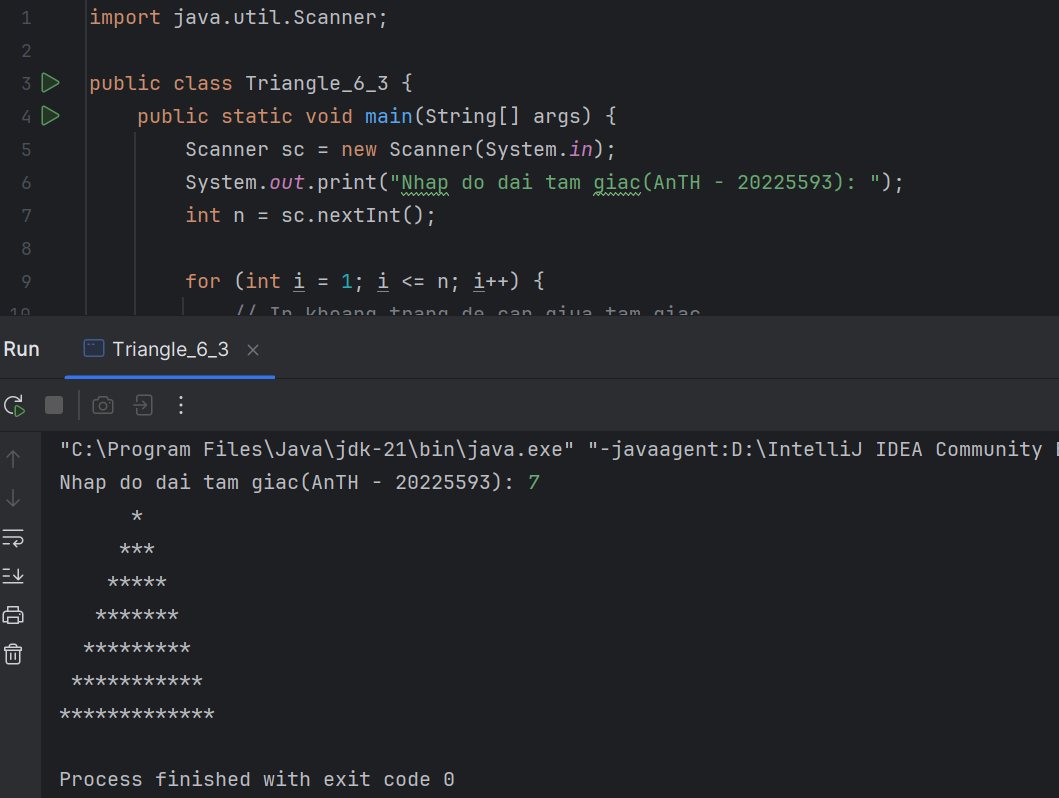


Hình 15: Kết quả InputFromKeyboard

## Write a program to display a triangle with a height of n stars (\*), n is entered by users.

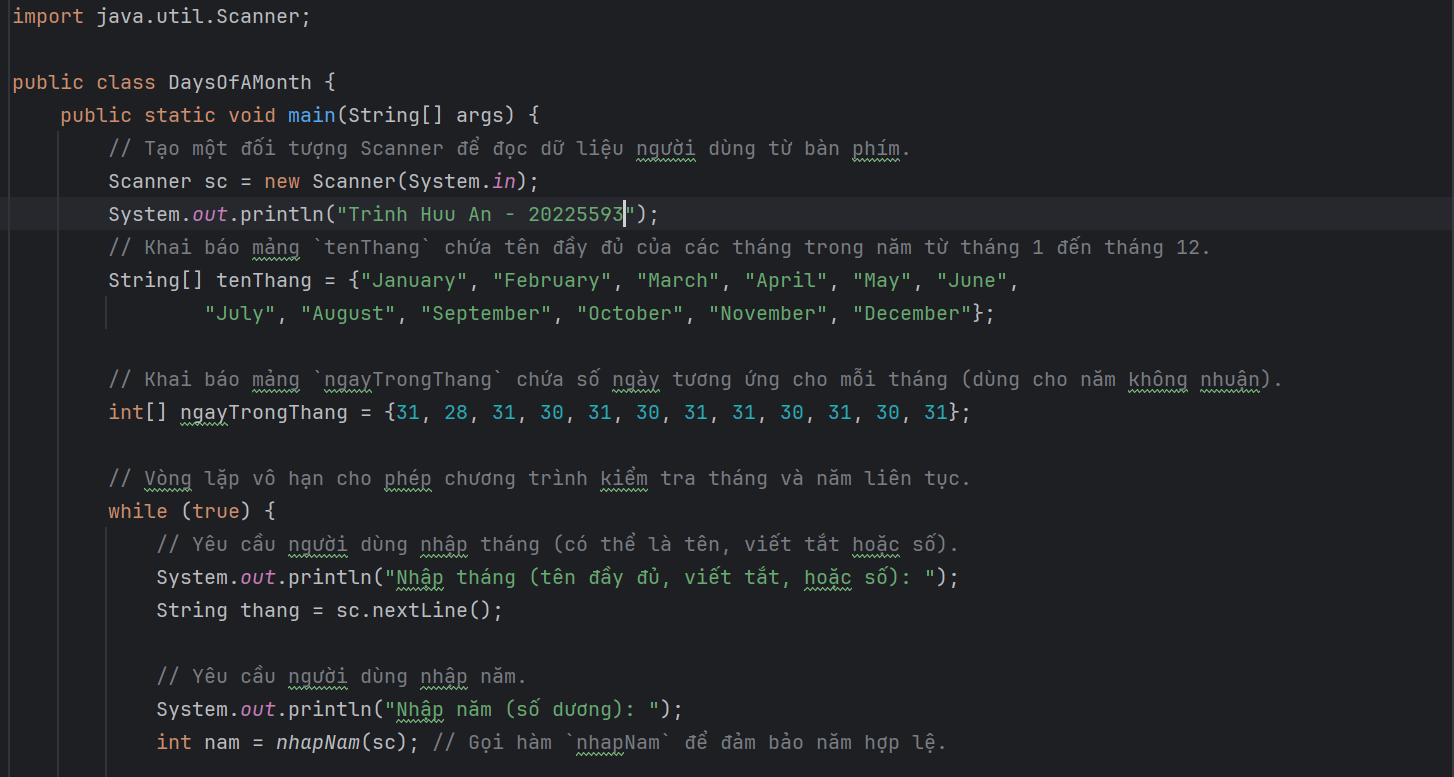


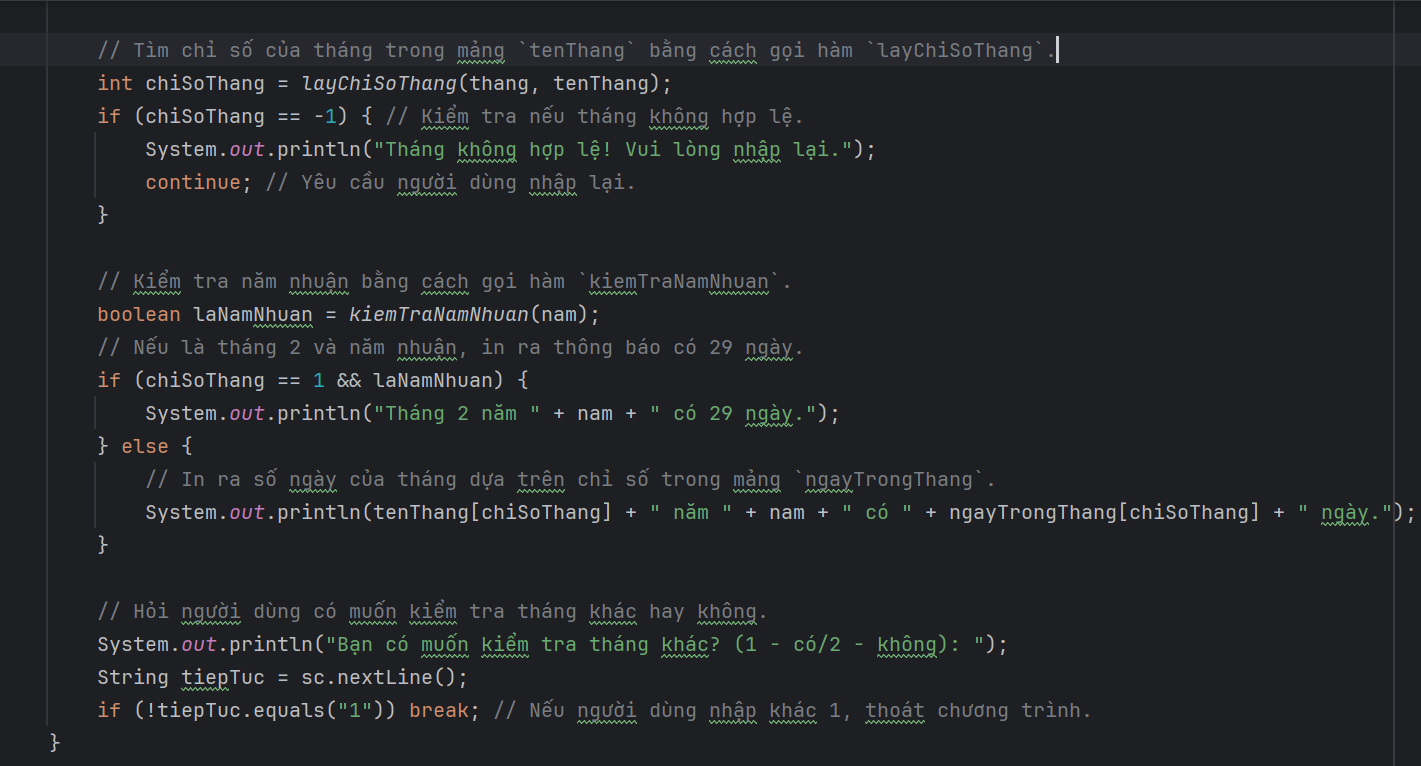
Hình 16: Mã nguồn Triangle\_6\_3

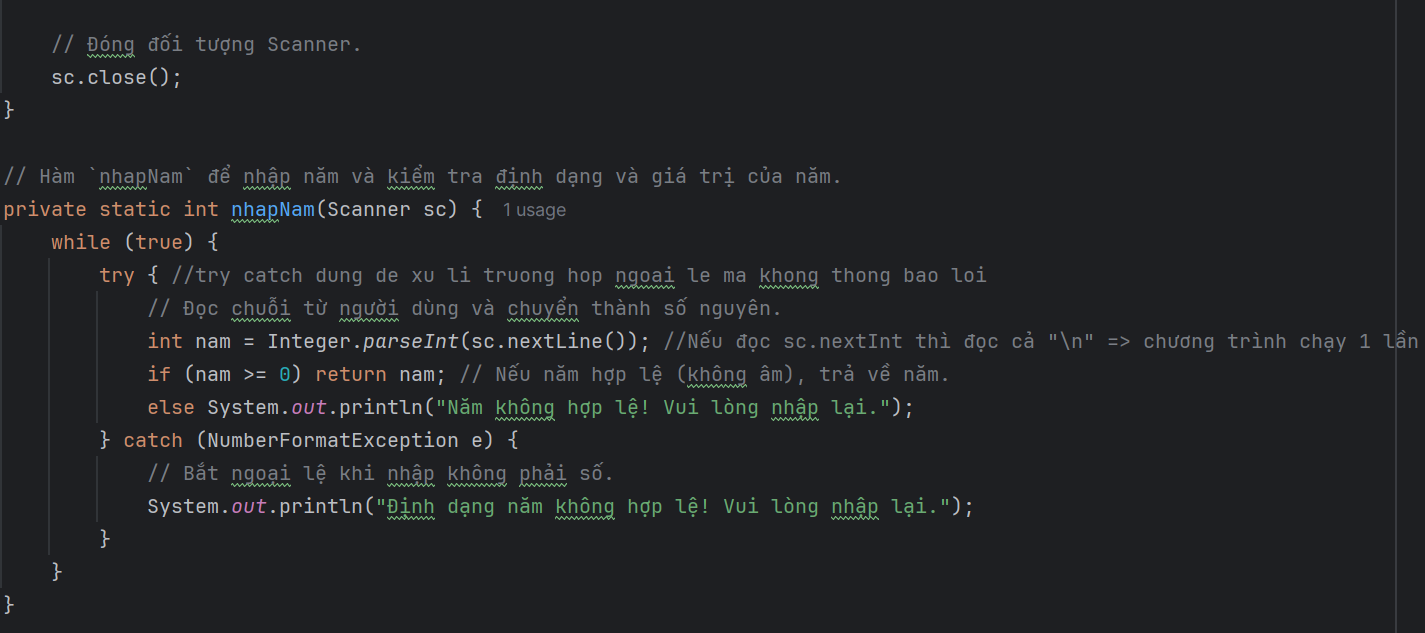


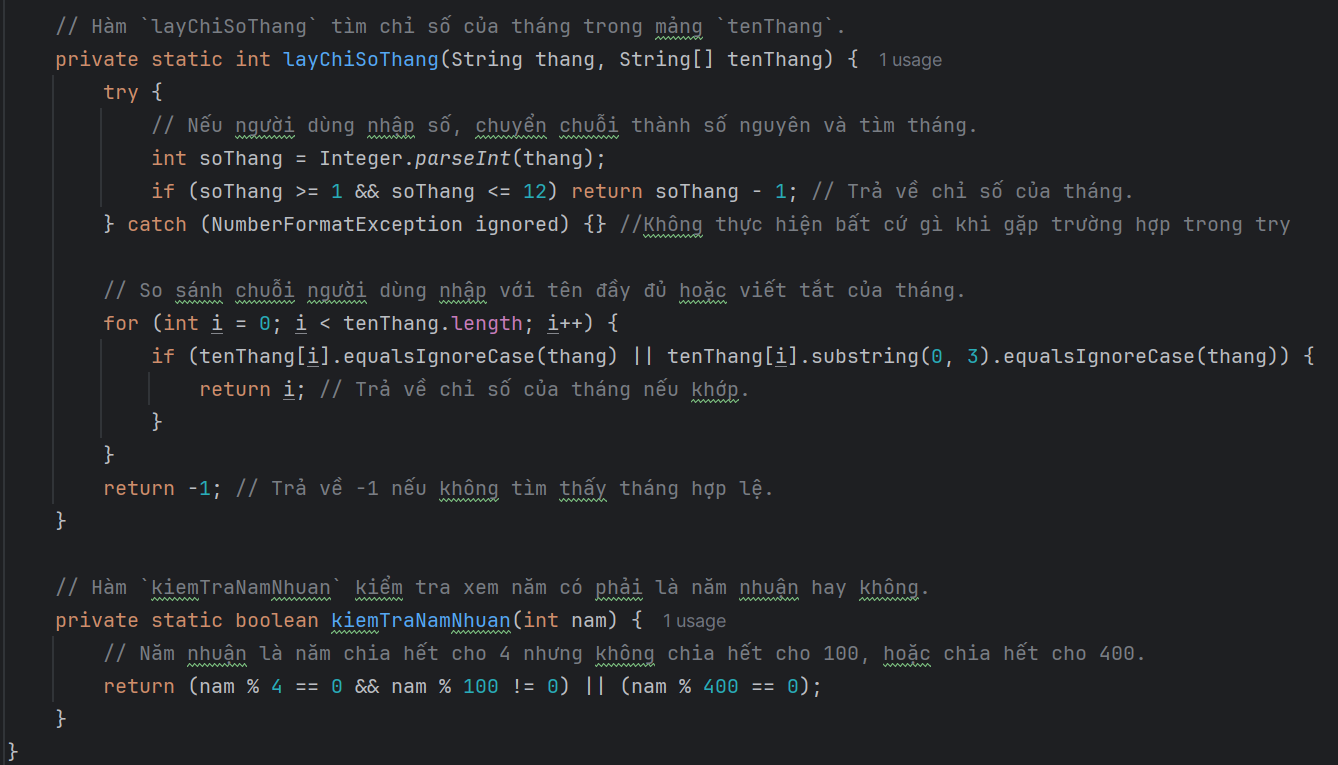
Hình 17: Kết quả Triangle\_6\_3

## Write a program to display the number of days of a month, which is entered by users (both month and year). If it is an invalid month/year, ask the user to enter again.

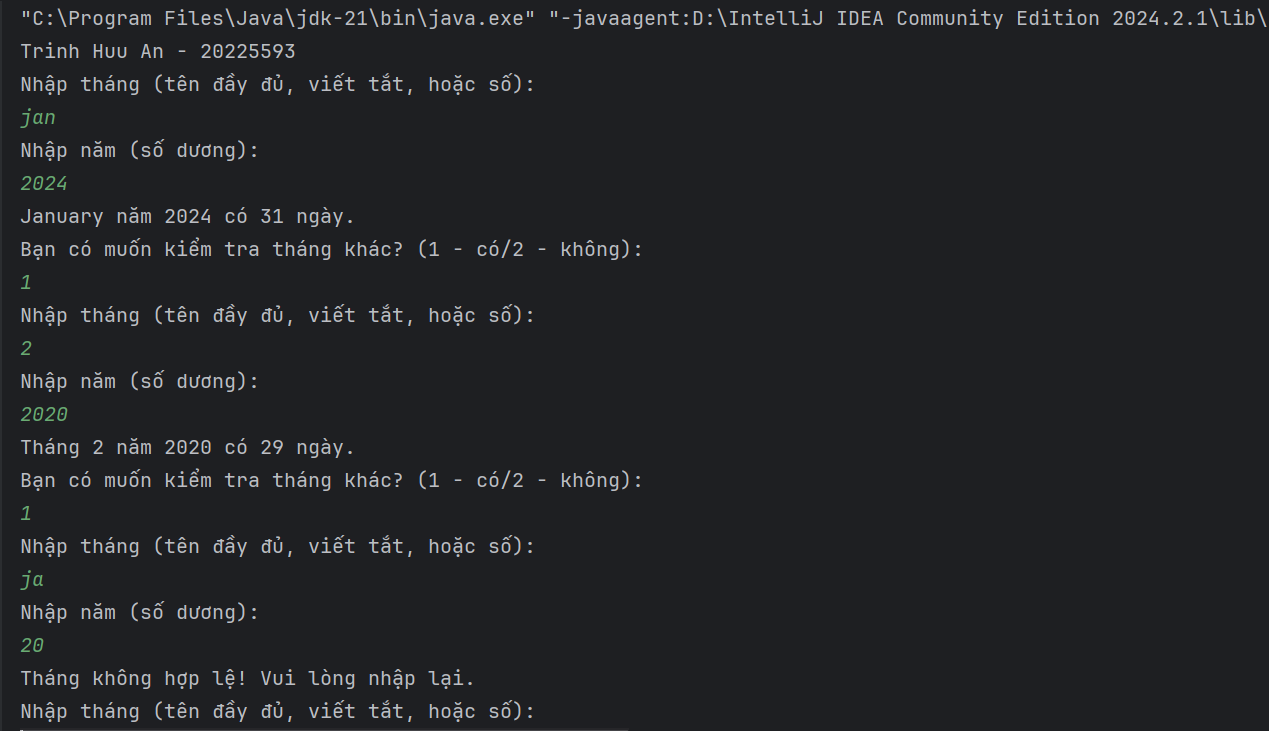


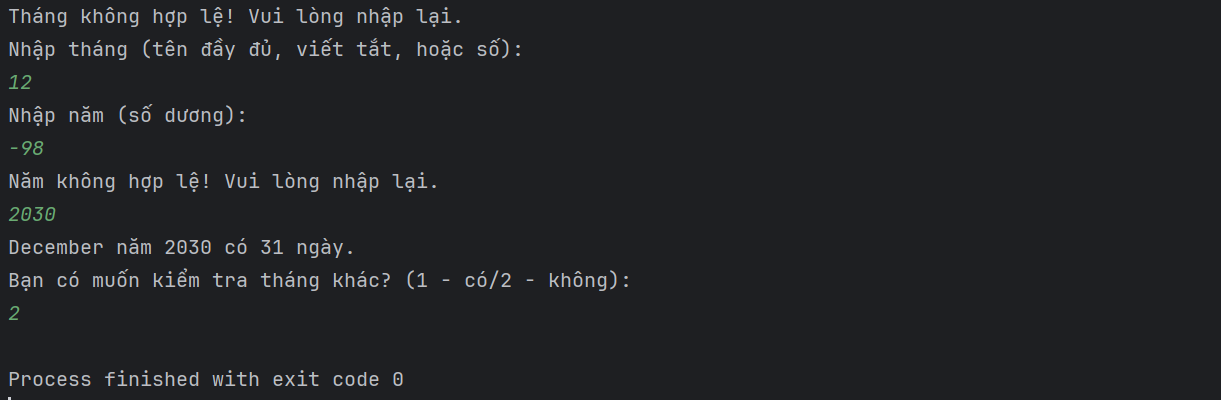






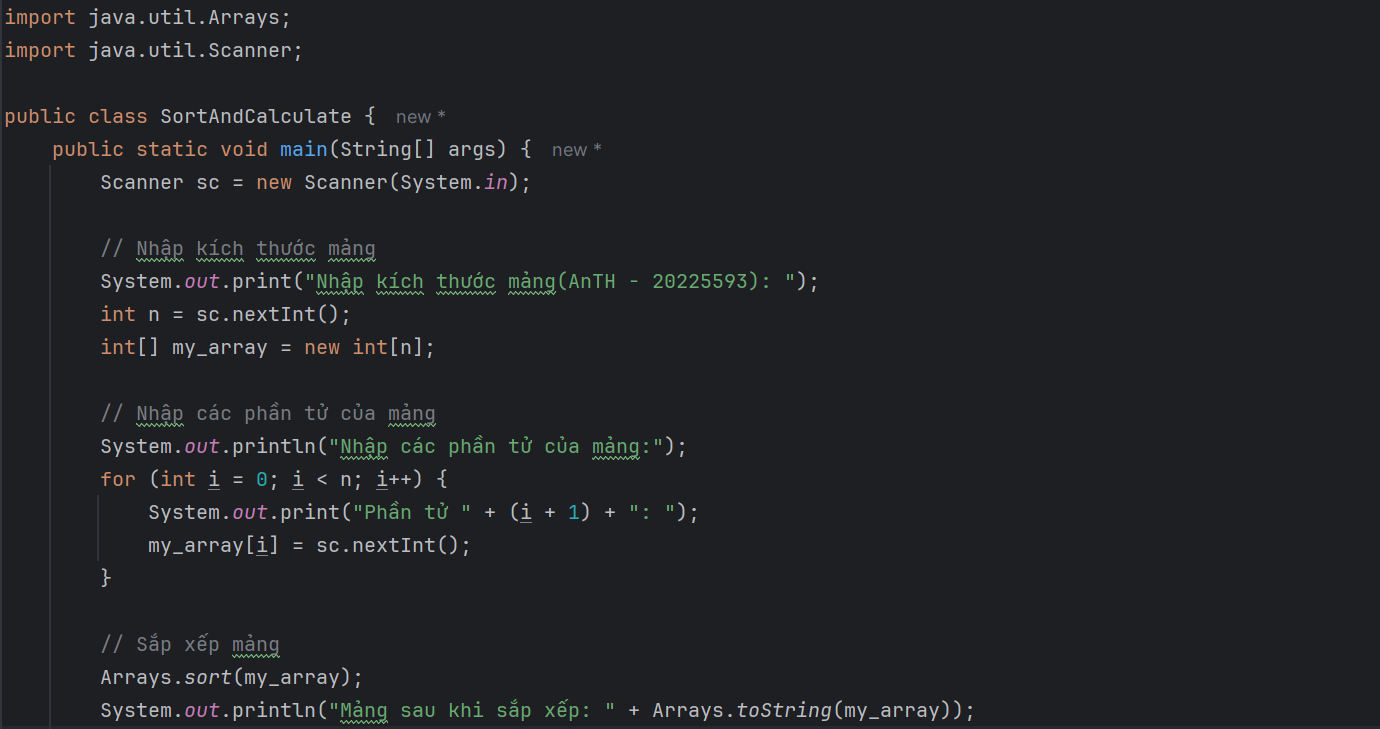
Hình 18: Mã nguồn DaysOfAMonth

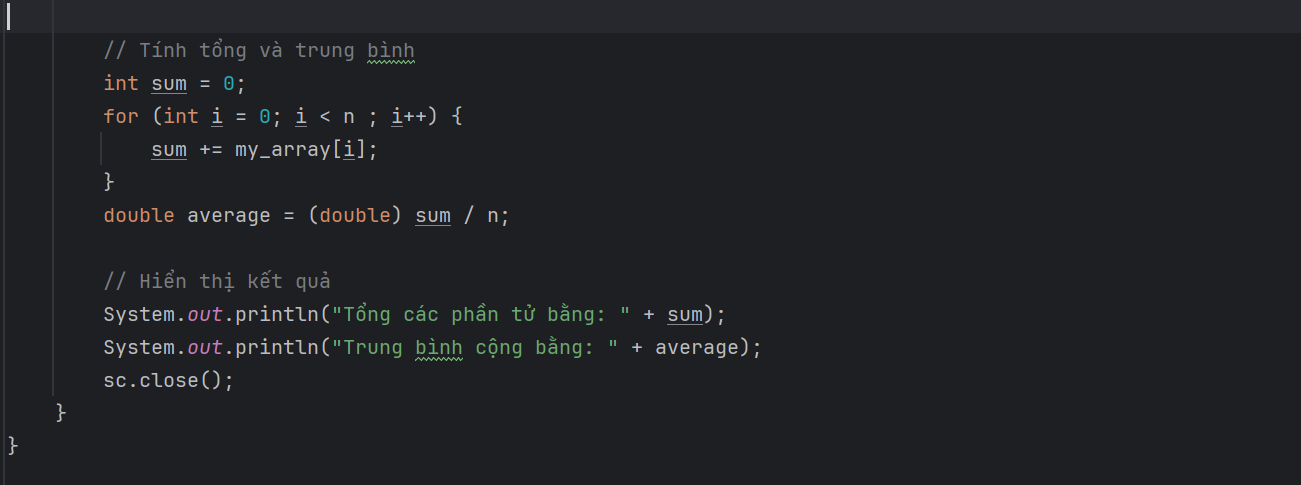




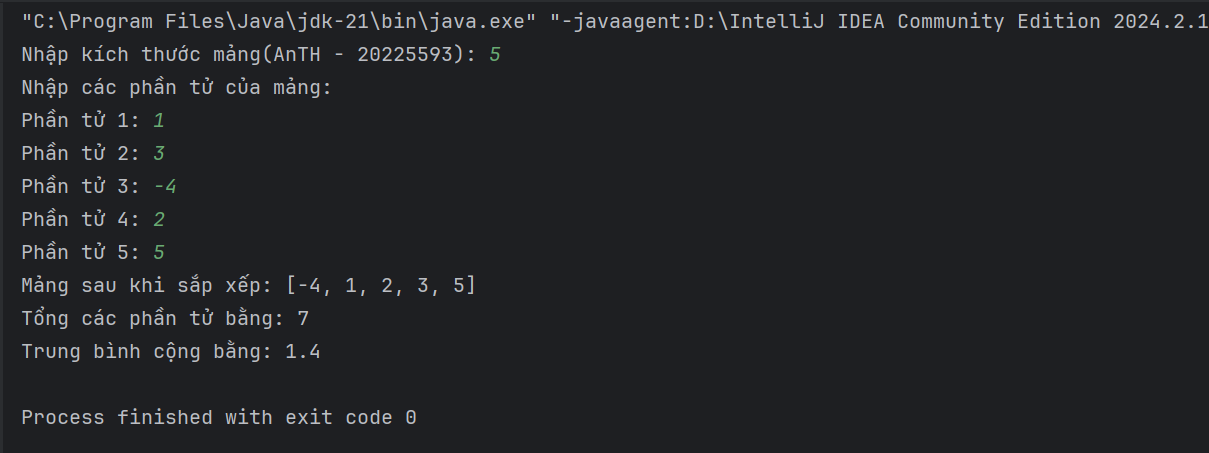
Hình 19: Kết quả DaysOfAMonth

## Write a Java program to sort a numeric array, and calculate the sum and average value of array elements.



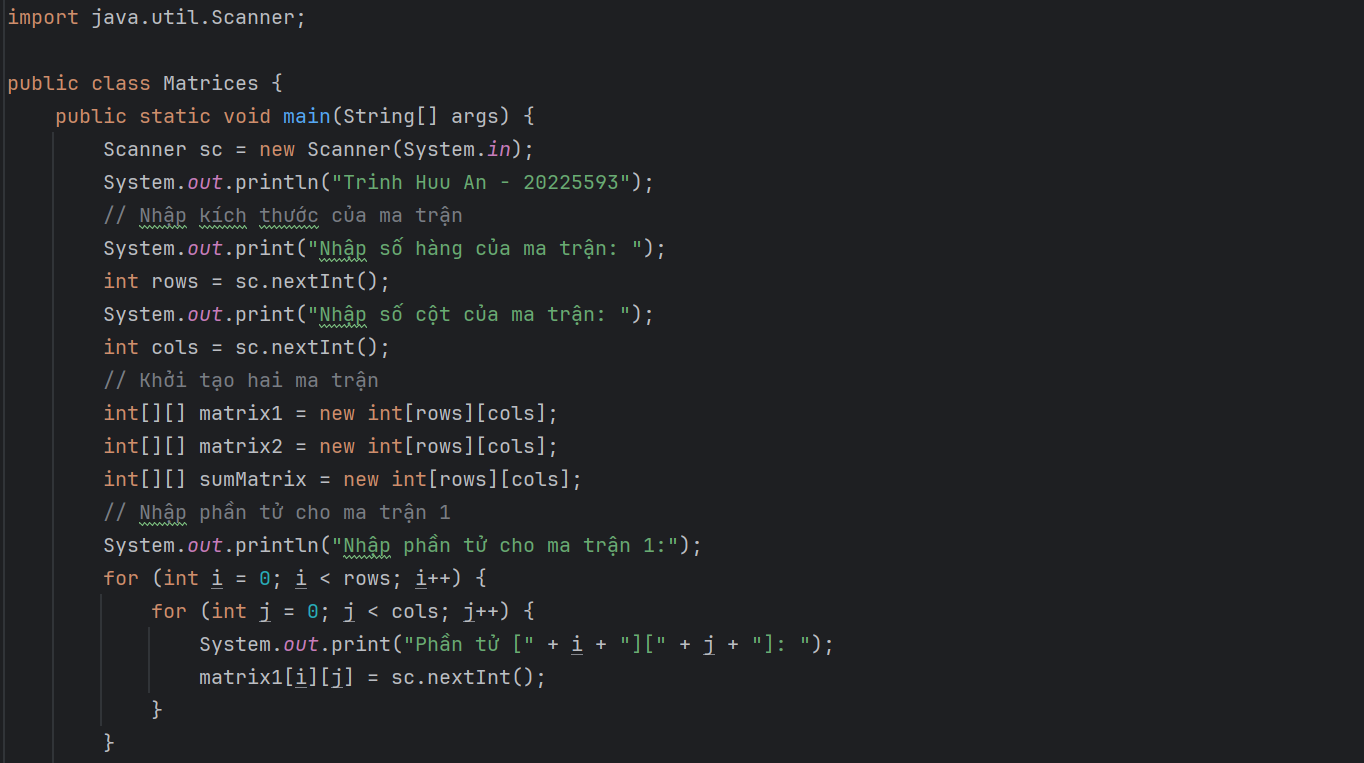


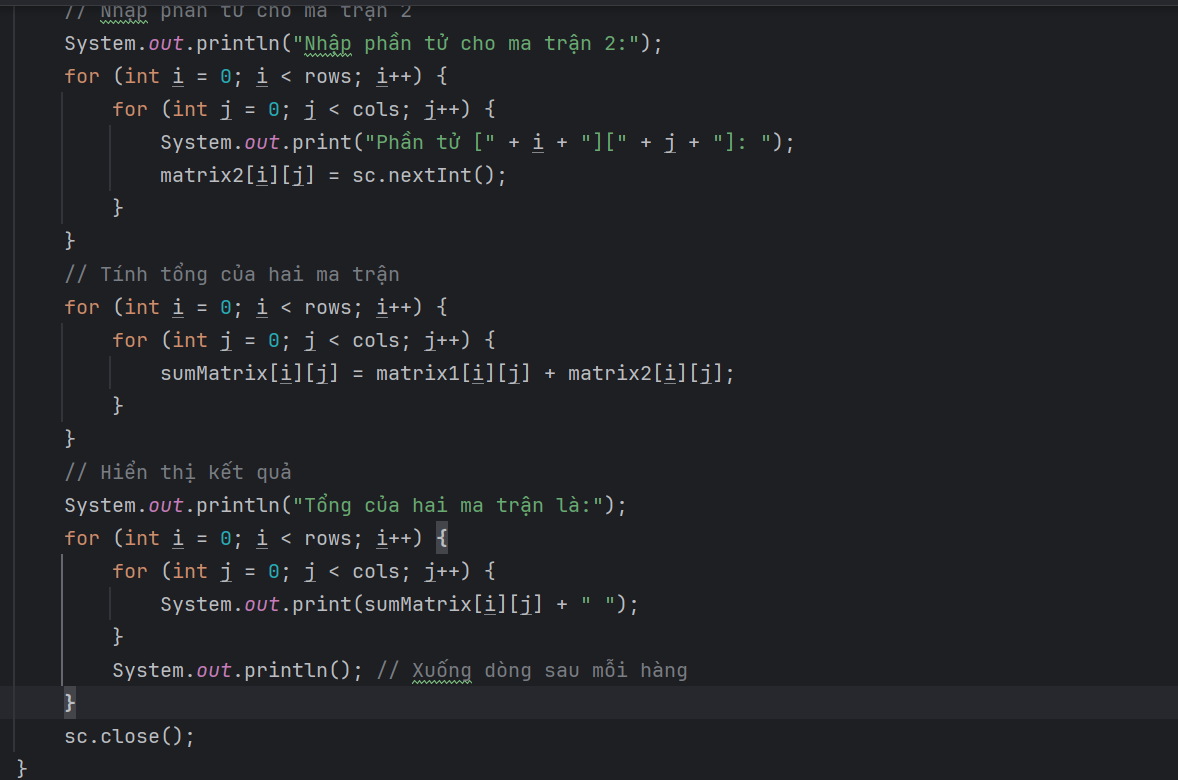
Hình 20: Mã nguồn SortAndCalculate



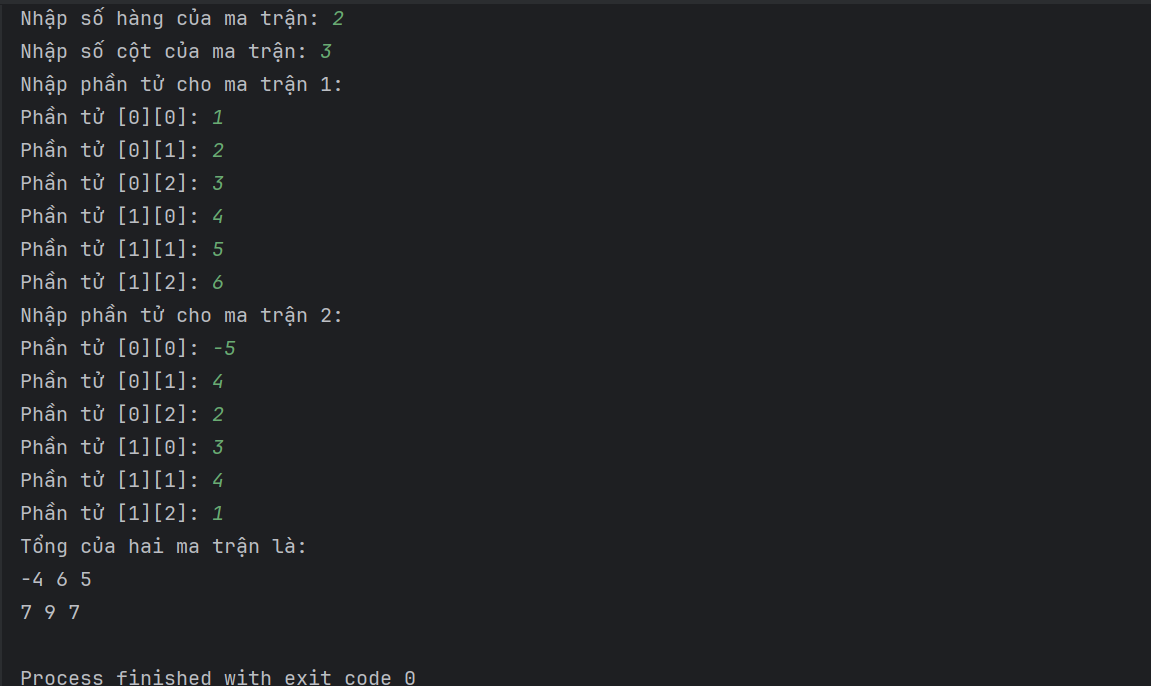
Hình 21: Kết quả SortAndCalculate

## Write a Java program to add two matrices of the same size.





Hình 22: Mã nguồn Matrices



Hình 23: Kết quả Matrices