**Lab 01: Environment Setup and Java Basics**

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Ex 2.2.5:

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

Code:

A screenshot of a computer program

AI-generated content may be incorrect.

Exercise 2.2.6

1.The first-degree equation (linear equation) with one variable

Code:

A screen shot of a computer

AI-generated content may be incorrect.

2. The system of first-degree equations (linear system) with two variables

A screen shot of a computer

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3. The second-degree equation with one variable:A screen shot of a computer program

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Result:

A screen shot of a computer

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Ex 6.1

Write, compile and run the ChoosingOption program

Code:

Result:

A screenshot of a phone

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\_ If choose YES:

A screenshot of a message

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\_ If choose NO or CANCEL:

A screenshot of a message

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1.

When the user selects "Cancel". The variable option will be assigned the value JOptionPane.CANCEL\_OPTION.

The program only checks that the user has a "Yes" option, but the other fields are valid

default value is "No"

So the user chooses "Cancel" rather than "No".

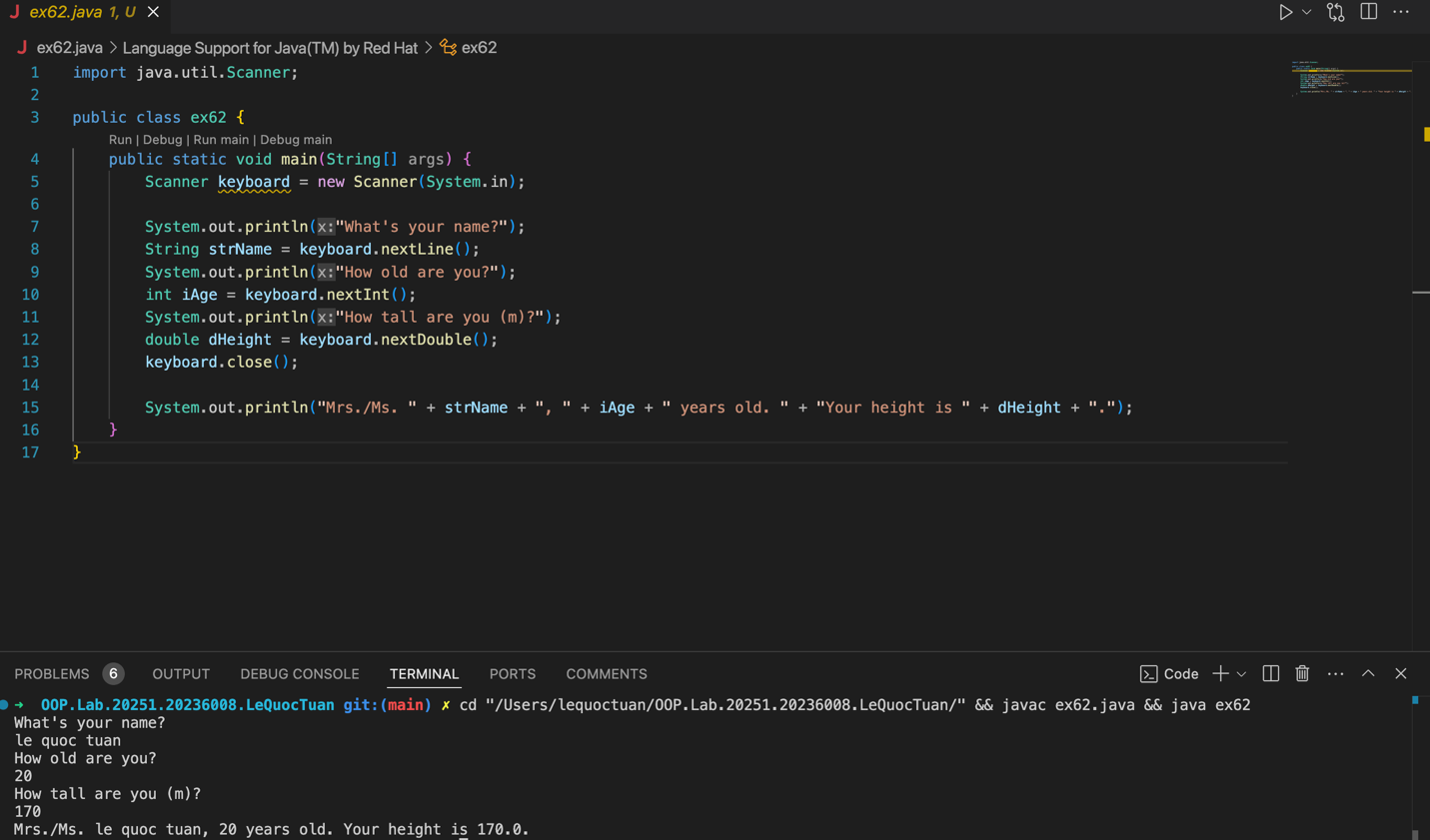
2.

Switch to using showConfirmDialog to force the user to select only "Yes" or "No"

int options = JOptionPane.showConfirmDialog(null, "Yes", "No", JOptionPane.YES\_NO\_OPTION);

Ex 6.2

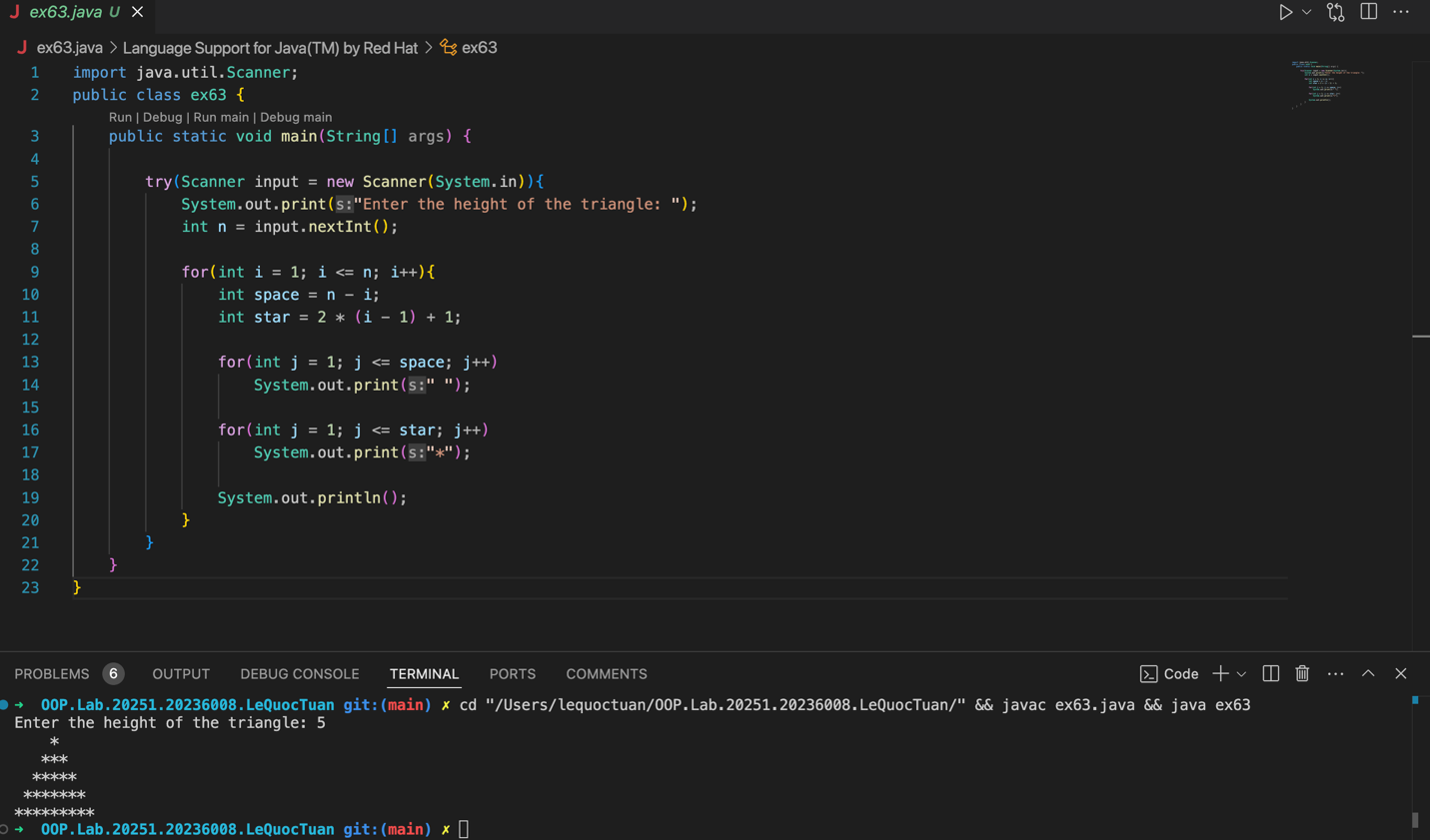
Write a program for input/output from keyboard

Code:

Ex 6.3

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

Code:



Ex 6.4

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.

Code:A screen shot of a computer screen

AI-generated content may be incorrect.

A screen shot of a computer

AI-generated content may be incorrect.

Bài 6.5

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

Code:

A screenshot of a computer program

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Bài 6.6

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

Code:

A screen shot of a computer

AI-generated content may be incorrect.