OOP EXPERIMENT-1

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BATCH-20

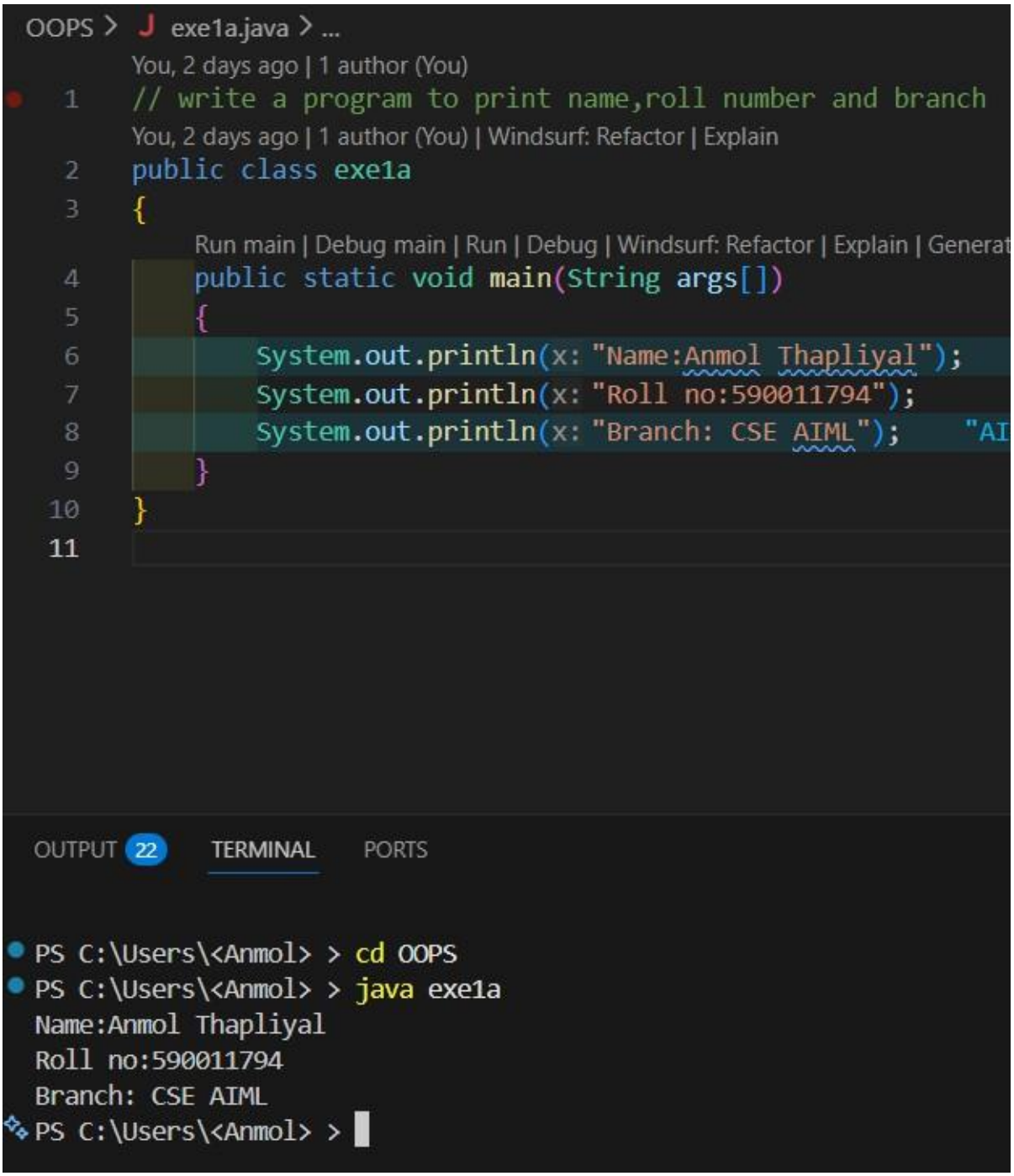
DATE-1 FEB 2026

SUBMITTED TO- PROF. Kalluri Shareef Babu

Topics to be covered:class creation,running,compiling,varable type declaration,if else,operators,printing statements as outputs

EX 1A

Write a Java program to print Name, Roll Number and Branch.

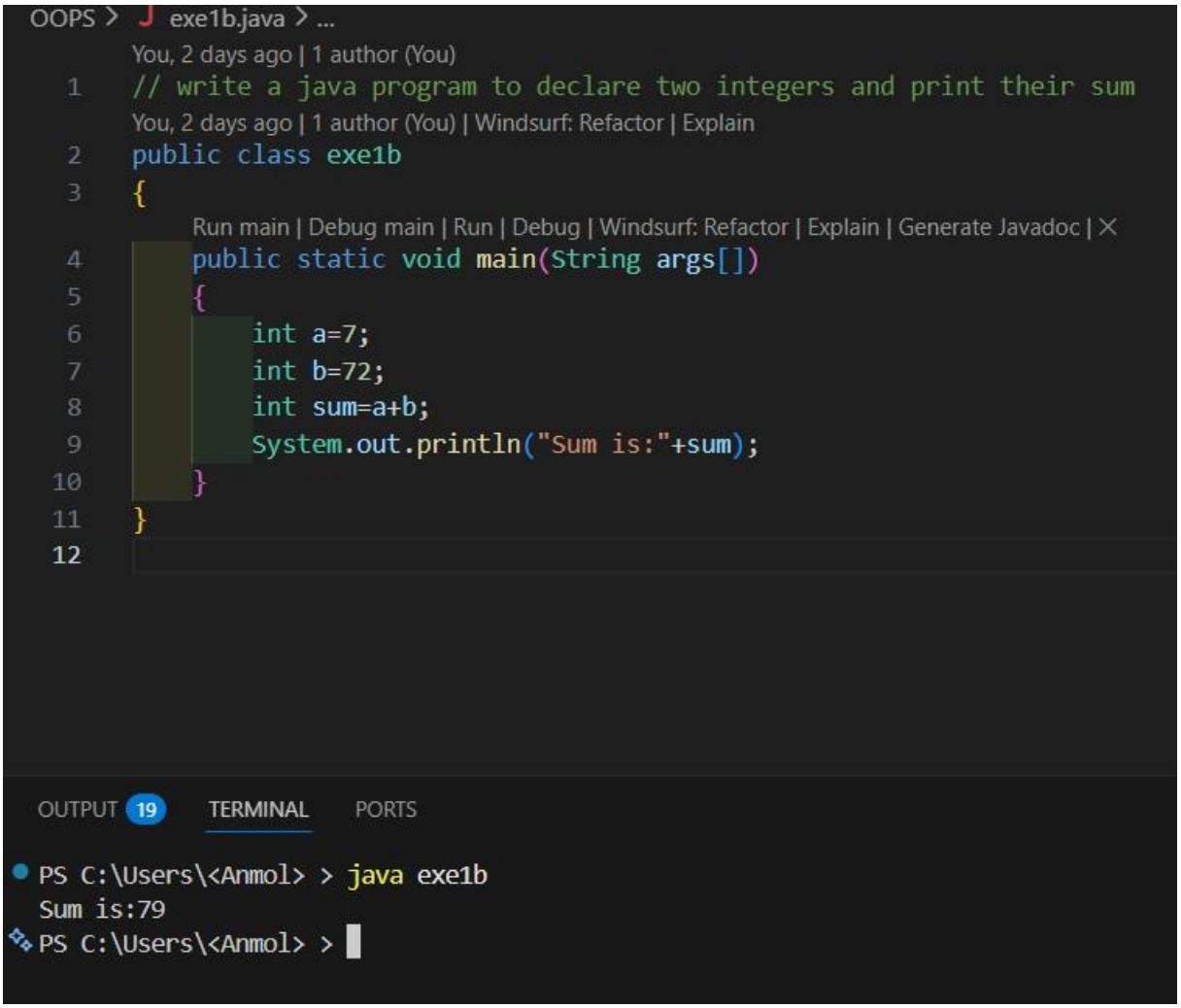


Observation:

creates a class named exe1a and prints the name, roll number and branch of the student.

EX 1B

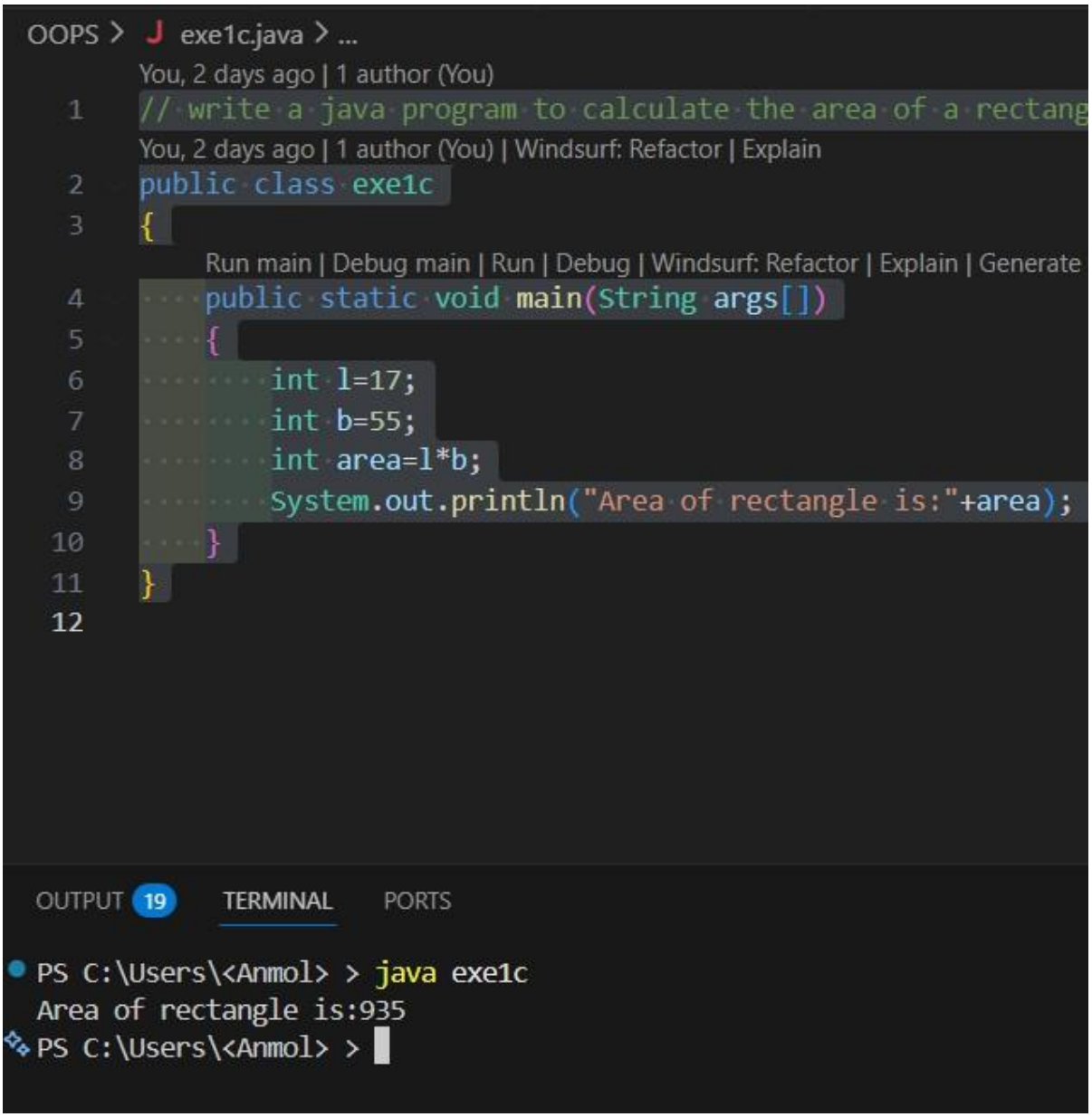
Write a Java program to declare two integers and print their sum.



Observation: creates a class named exe1b and prints the sum of two integers using main method and int data type variables a and b

EX 1C

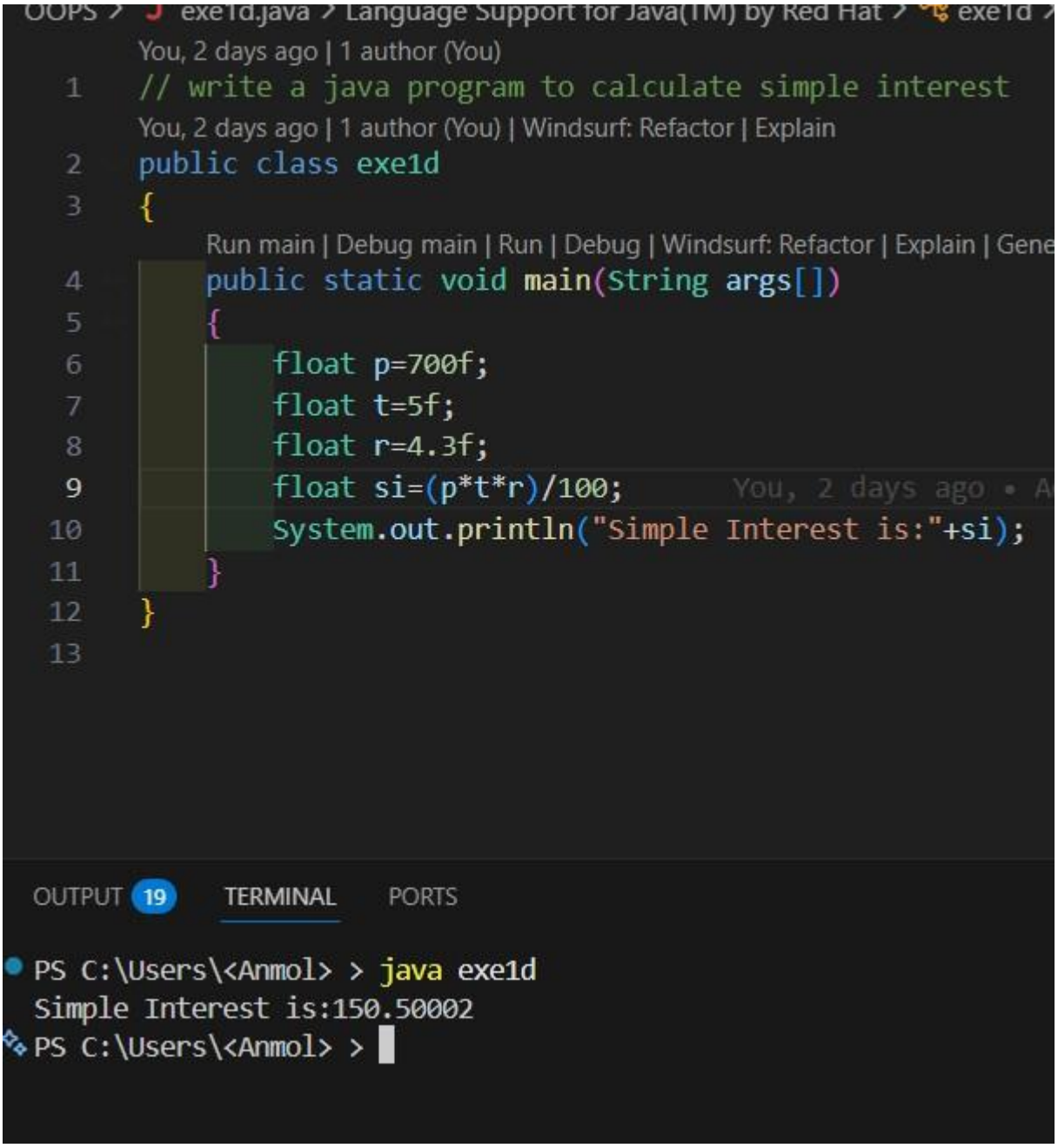
Write a Java program to calculate the area of a rectangle.



Observation:creates a class named exe1c and prints the area of a rectangle using main method and int data type variables l and b for length and breadth respectively

EX 1D

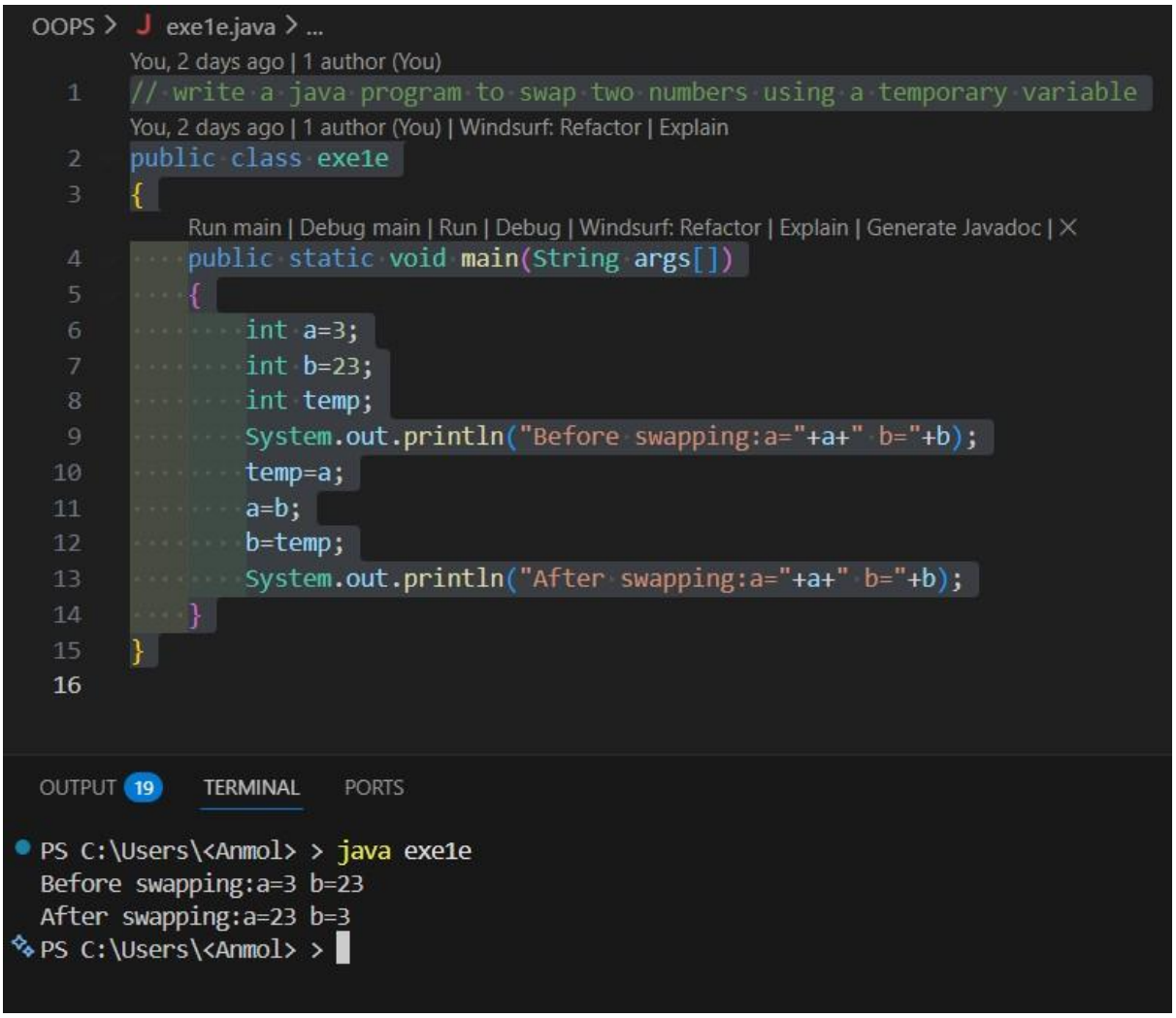
Write a Java program to calculate Simple Interest.



Observation: creates a class named exe1d and prints the simple interest using main method and float data type variables p, t and r for principal, time and rate respectively and si for simple interest variable is created to store the calculated simple interest value.

EX 1E

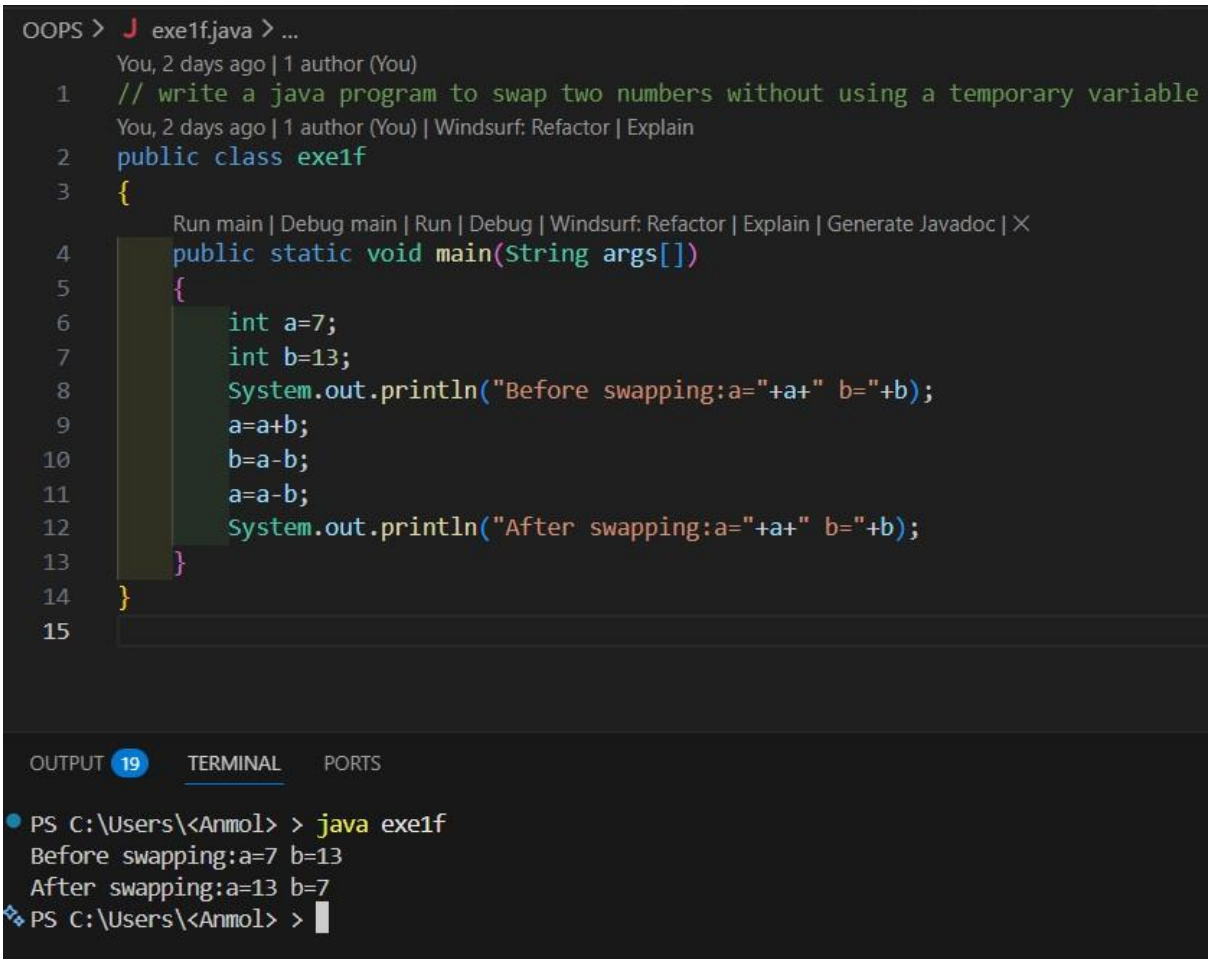
Write a Java program to swap two numbers using a temporary variable.



Observation: creates a class named exe1e and swaps two numbers using a temporary variable and prints the values before and after swapping using main method and int data type variables a and b for the two numbers and temp for temporary variable.

EX 1F

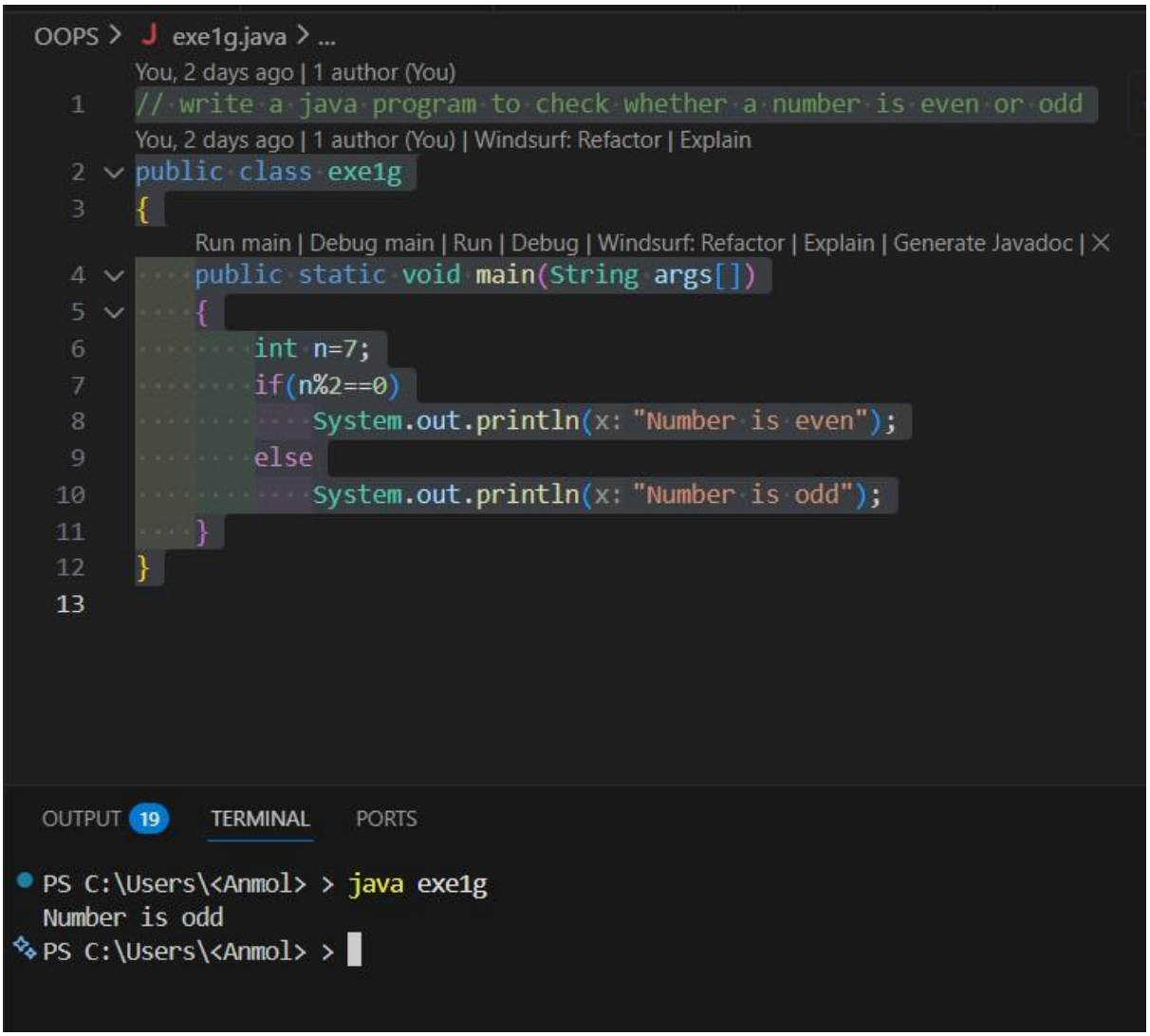
Write a Java program to swap two numbers without using a temporary variable.



Obseravtion: creates a class named exe1f and swaps two numbers without using a temporary variable and prints the values before and after swapping using main method and int data type variables a and b for the two numbers.

EX 1G

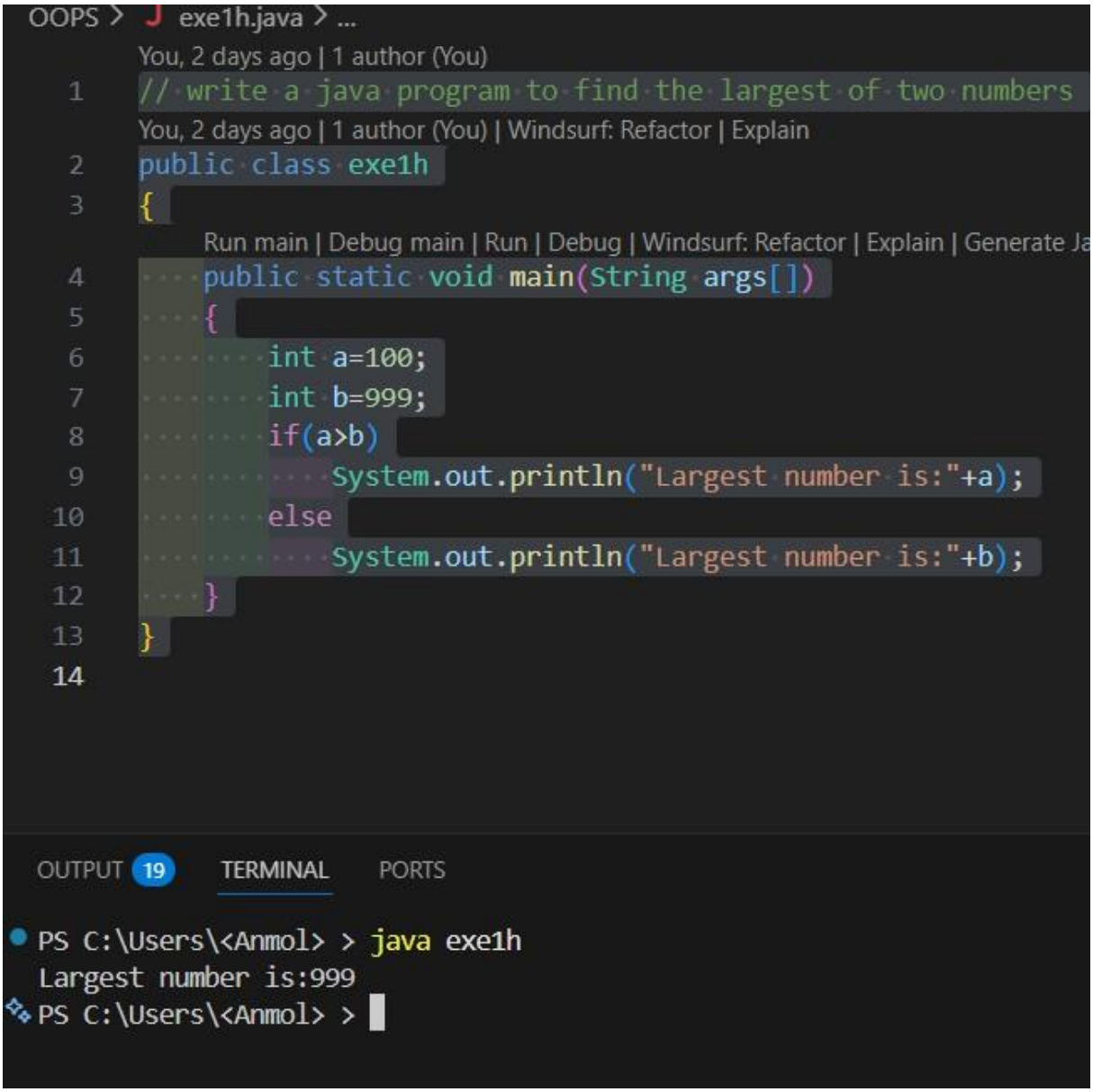
Write a Java program to check whether a number is even or odd.



Observation: creates a class named exe1g and checks whether a number is even or odd using main method and int data type variable n for the number using modulus operator and if-else statement to determine evenness or oddness.

EX 1H

Write a Java program to find the largest of two numbers.

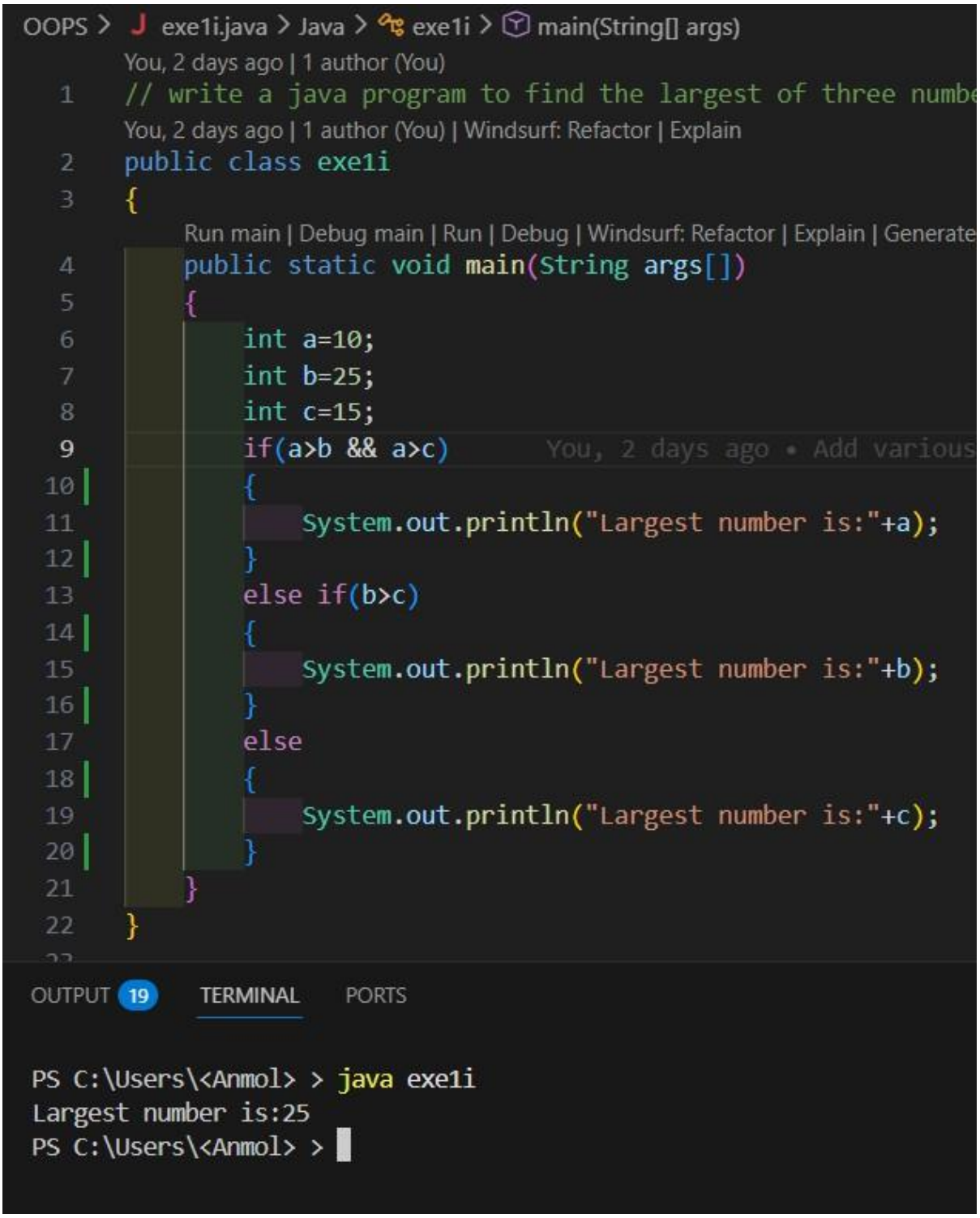


Obseravtion:

creates a class named exe1h and finds the largest of two numbers using main method and int data type variables a and b for the two numbers using if-else statement to compare the two numbers.

EX 1I

Write a Java program to find the largest of three numbers.

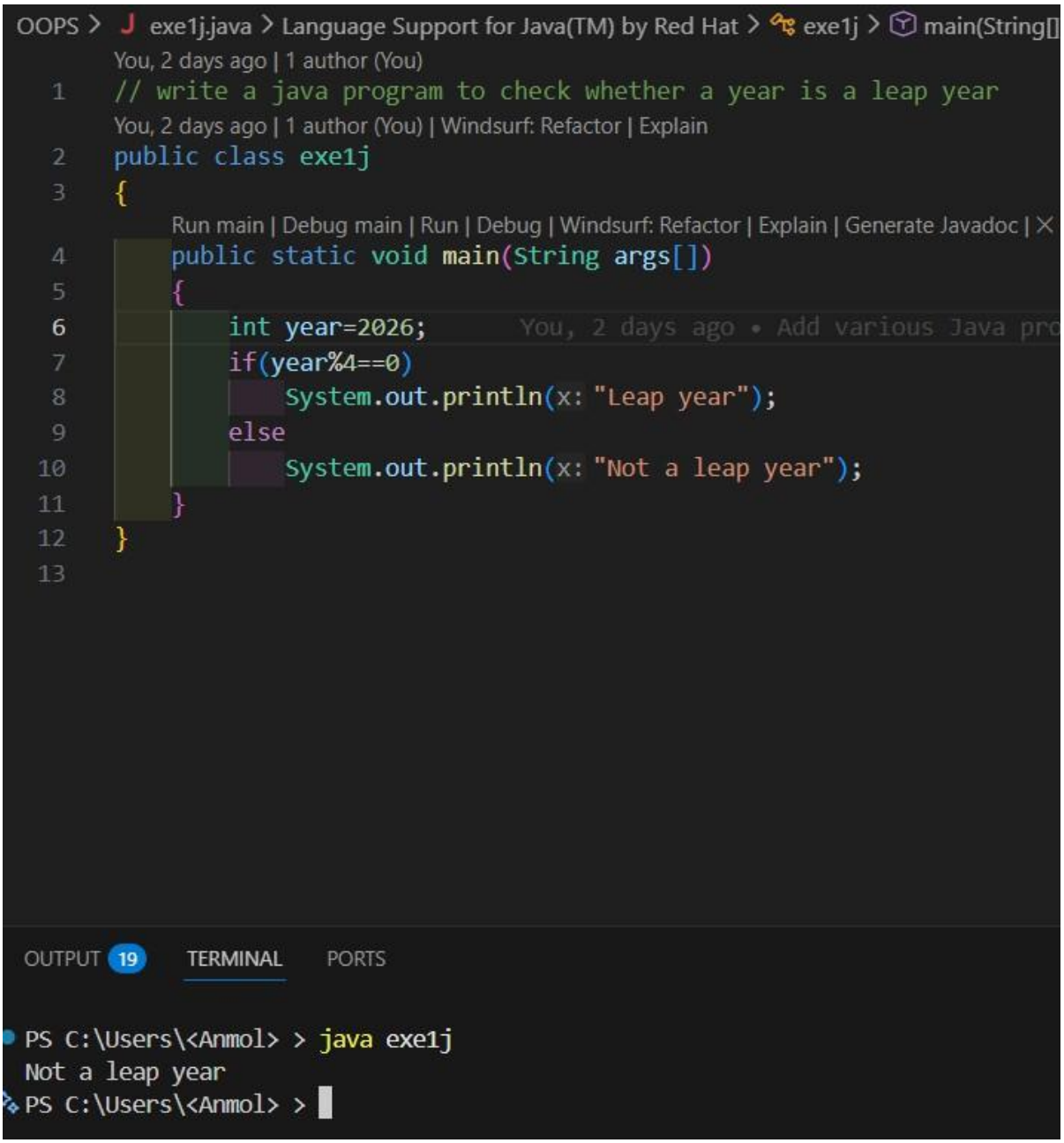


Observation:

creates a class named exe1i and finds the largest of three numbers using main method and int data type variables a, b and c for the three numbers using if-else-if statement to compare the three numbers.

EX 1J

Write a Java program to check whether a given year is a leap year.

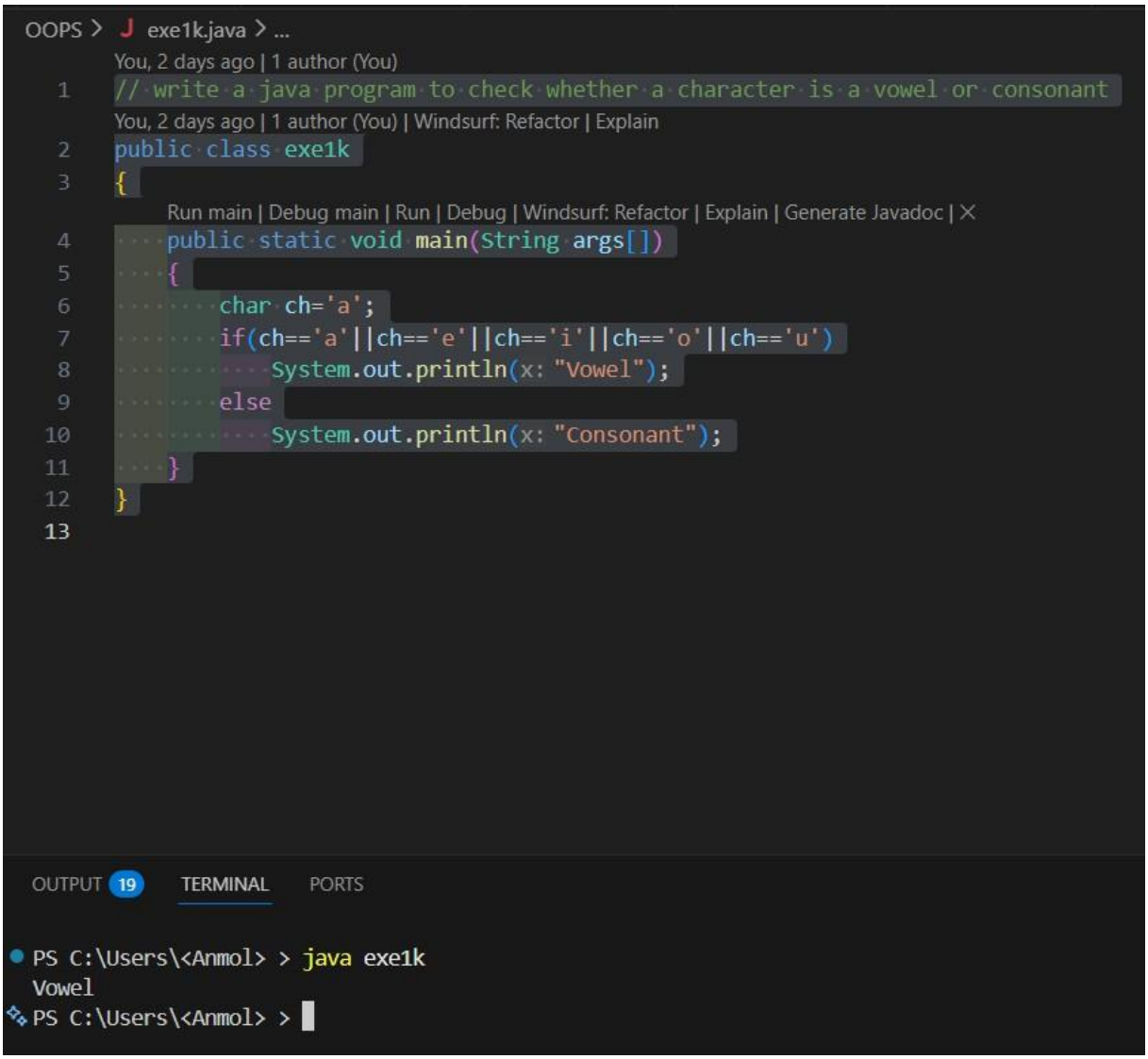


Observation:

creates a class named exe1j and checks whether a year is a leap year using main method and int data type variable year for the year using modulus operator and if-else statement to determine leap year status and print the result.

EX 1K

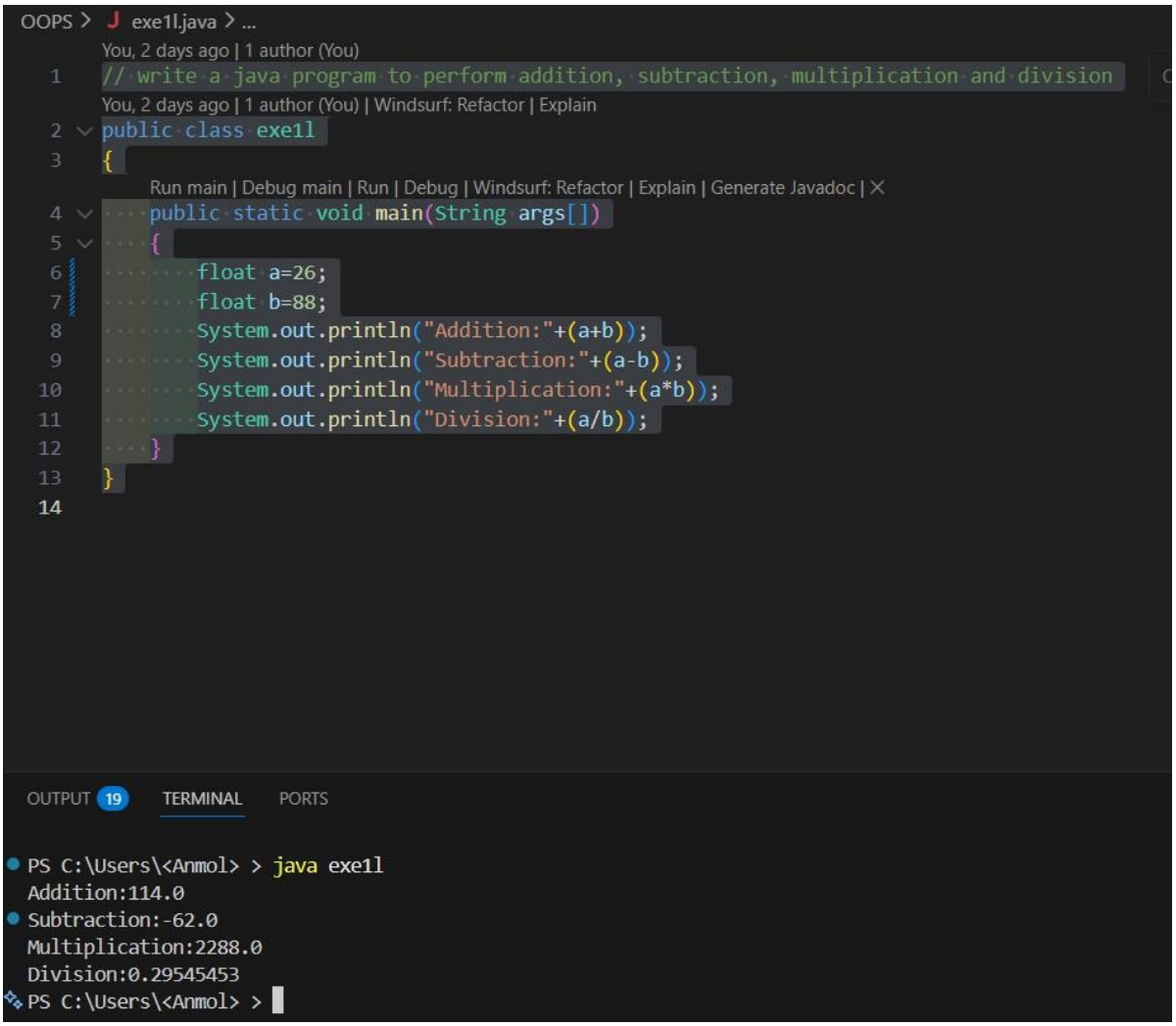
Write a Java program to check whether a character is a vowel or consonant.



Observation: creates a class named exe1k and checks whether a character is a vowel or consonant using main method and char data type variable ch for the character using if-else statement to determine vowel or consonant status and print the result.

EX 1L

Write a Java program to perform addition, subtraction, multiplication and division.



Observation: creates a class named exe1l and performs addition, subtraction, multiplication and division using main method and float data type variables a and b for the two numbers and prints the results of the operations.