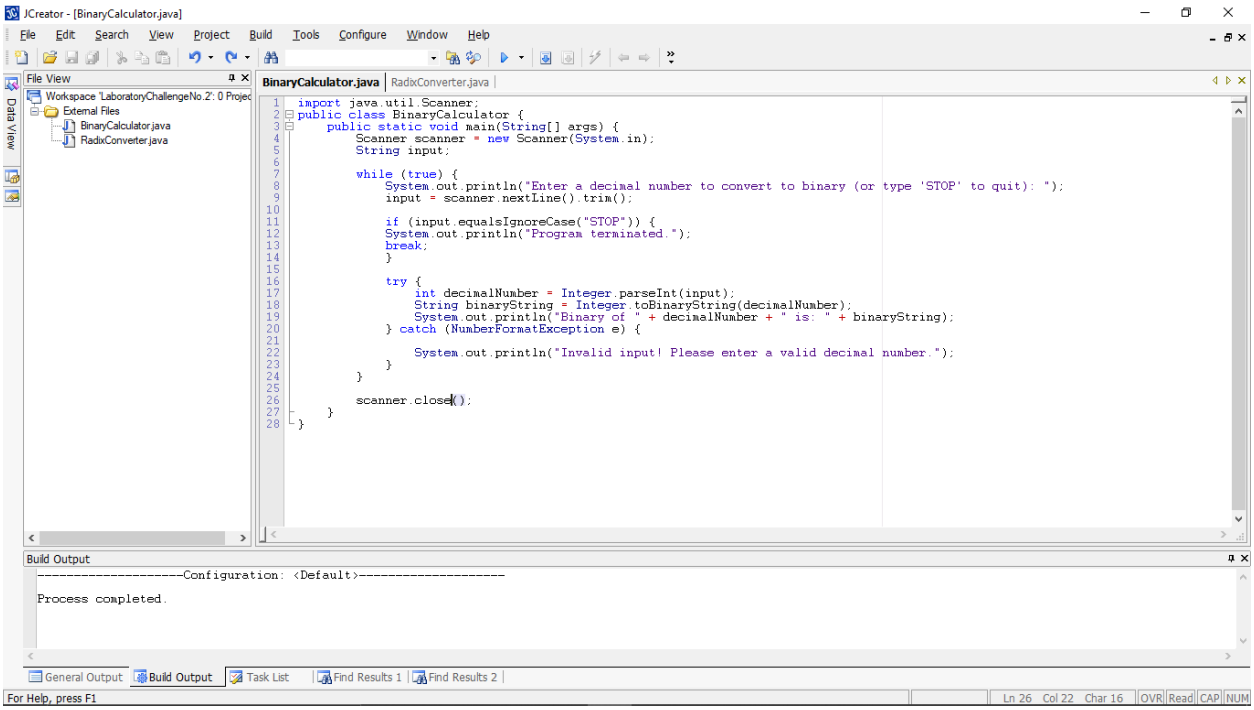
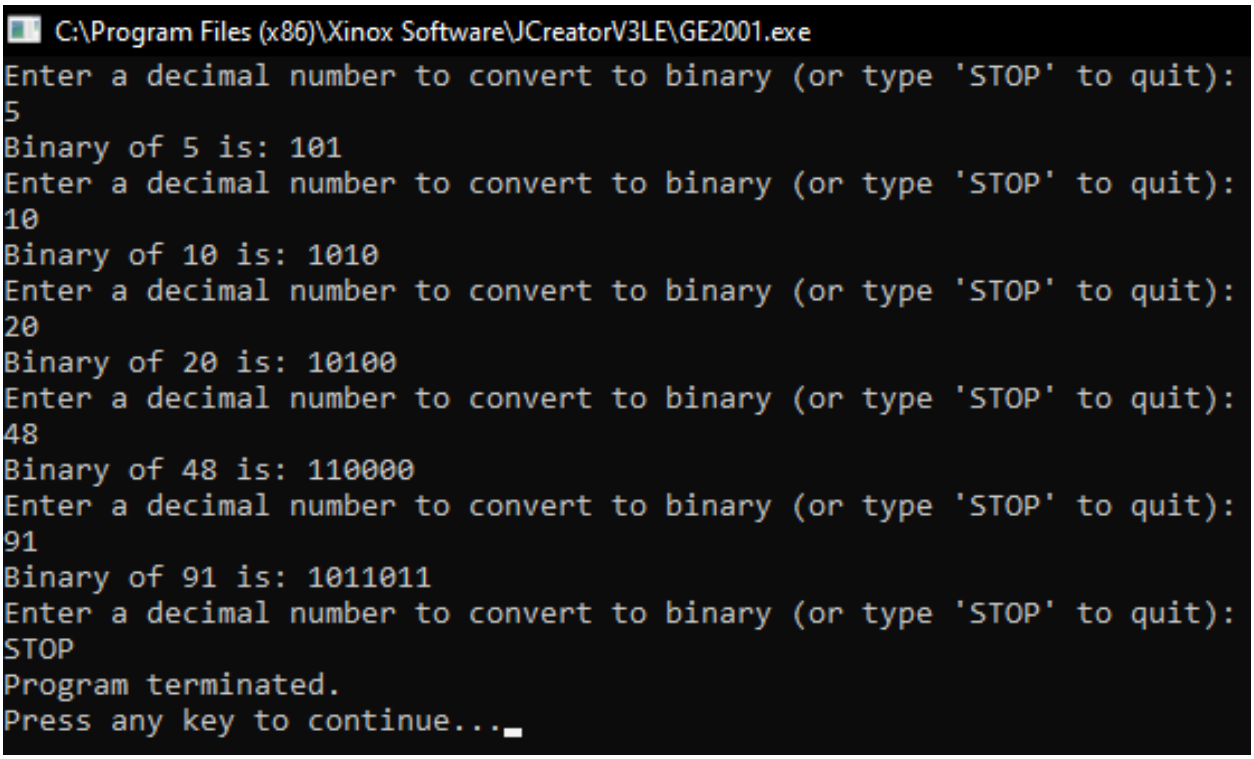
Nieves, James Arnold S. 09/09/2024

CC1-B Quest 1.2 – Programming: Decimal to Binary Calculator





```
import java.util.Scanner;
public class BinaryCalculator {
	public static void main(String[] args) {
		Scanner scanner = new Scanner(System.in);
		String input;

		while (true) {
			System.out.println("Enter a decimal number to convert to binary (or type 'STOP'
to quit): ");
			input = scanner.nextLine().trim();
			if (input.equalsIgnoreCase("STOP")) {
			System.out.println("Program terminated.");
			break;
			}

			try {
				int decimalNumber = Integer.parseInt(input);
				String binaryString = Integer.toBinaryString(decimalNumber);
				System.out.println("Binary of " + decimalNumber + " is: " +
binaryString);
			} catch (NumberFormatException e) {

				System.out.println("Invalid input! Please enter a valid decimal
number.");
			}
		}

		scanner.close();
	}
}
```