

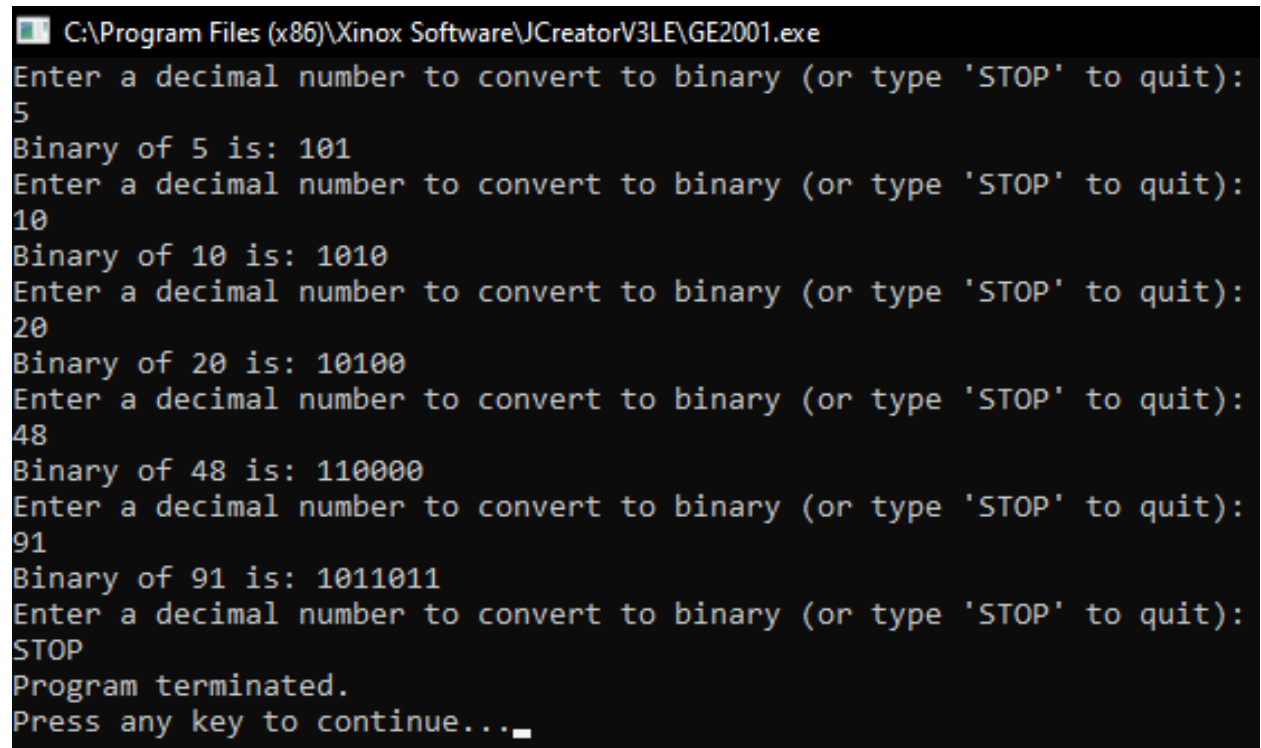
```
1 import java.util.Scanner;
2 public class BinaryCalculator {
3     public static void main(String[] args) {
4         Scanner scanner = new Scanner(System.in);
5         String input;
6
7         while (true) {
8             System.out.println("Enter a decimal number to convert to binary (or type 'STOP' to quit): ");
9             input = scanner.nextLine().trim();
10
11             if (input.equalsIgnoreCase("STOP")) {
12                 System.out.println("Program terminated.");
13                 break;
14             }
15
16             try {
17                 int decimalNumber = Integer.parseInt(input);
18                 String binaryString = Integer.toBinaryString(decimalNumber);
19                 System.out.println("Binary of " + decimalNumber + " is: " + binaryString);
20             } catch (NumberFormatException e) {
21                 System.out.println("Invalid input! Please enter a valid decimal number.");
22             }
23         }
24         scanner.close();
25     }
26 }
27
28
```

Build Output

Configuration: <Default>

Process completed.

Ln 26 Col 22 Char 16 | OVR | Read | CAP | NUM



```
C:\Program Files (x86)\Xinox Software\JCreatorV3LE\GE2001.exe
Enter a decimal number to convert to binary (or type 'STOP' to quit):
5
Binary of 5 is: 101
Enter a decimal number to convert to binary (or type 'STOP' to quit):
10
Binary of 10 is: 1010
Enter a decimal number to convert to binary (or type 'STOP' to quit):
20
Binary of 20 is: 10100
Enter a decimal number to convert to binary (or type 'STOP' to quit):
48
Binary of 48 is: 110000
Enter a decimal number to convert to binary (or type 'STOP' to quit):
91
Binary of 91 is: 1011011
Enter a decimal number to convert to binary (or type 'STOP' to quit):
STOP
Program terminated.
Press any key to continue...
```

```

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();

    }

}

```

