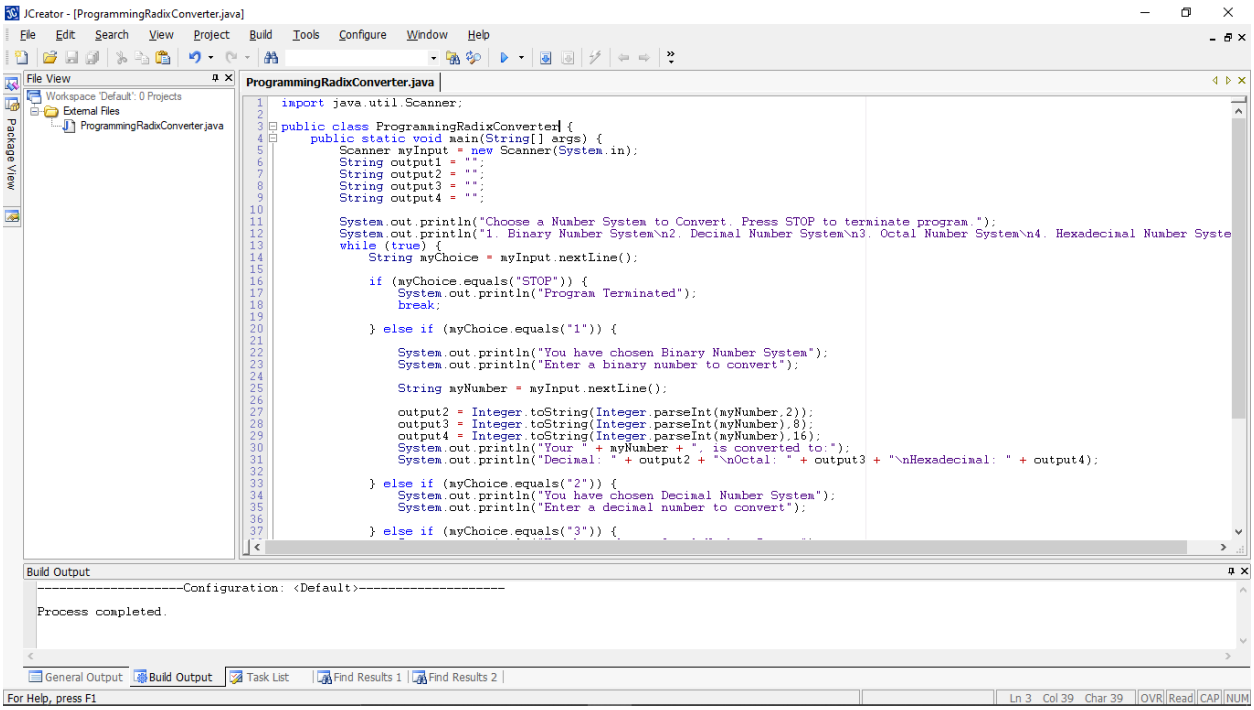
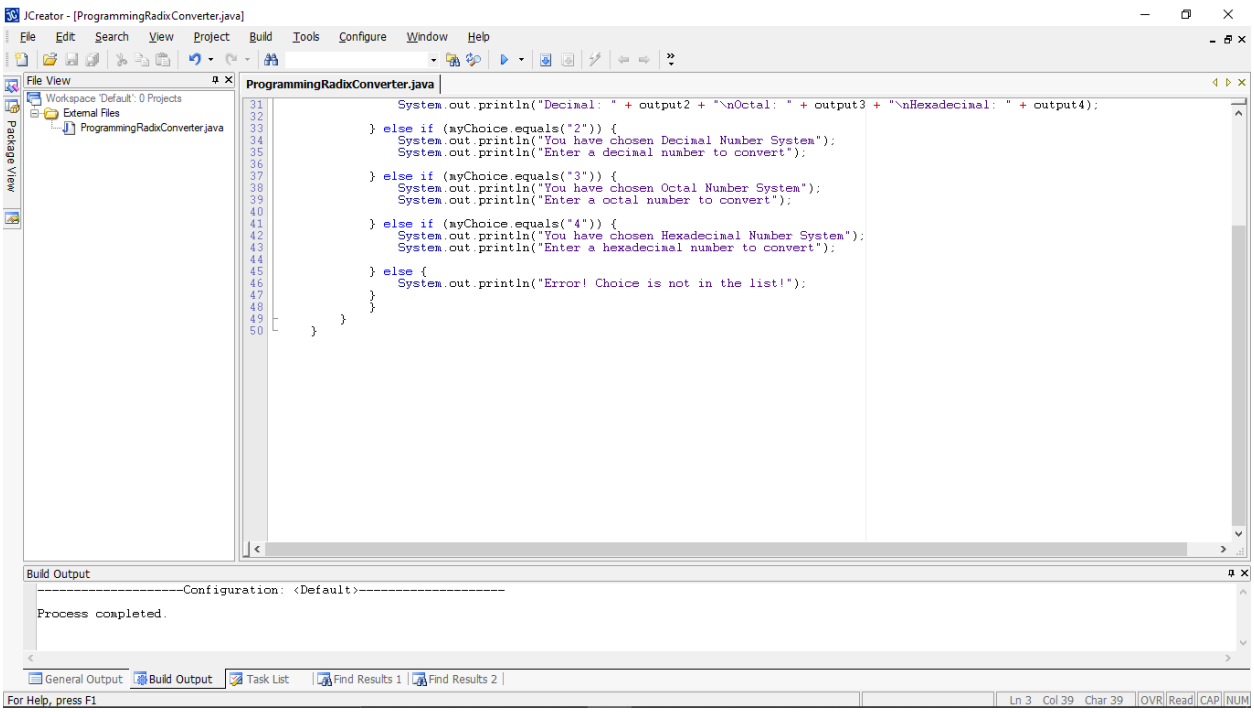
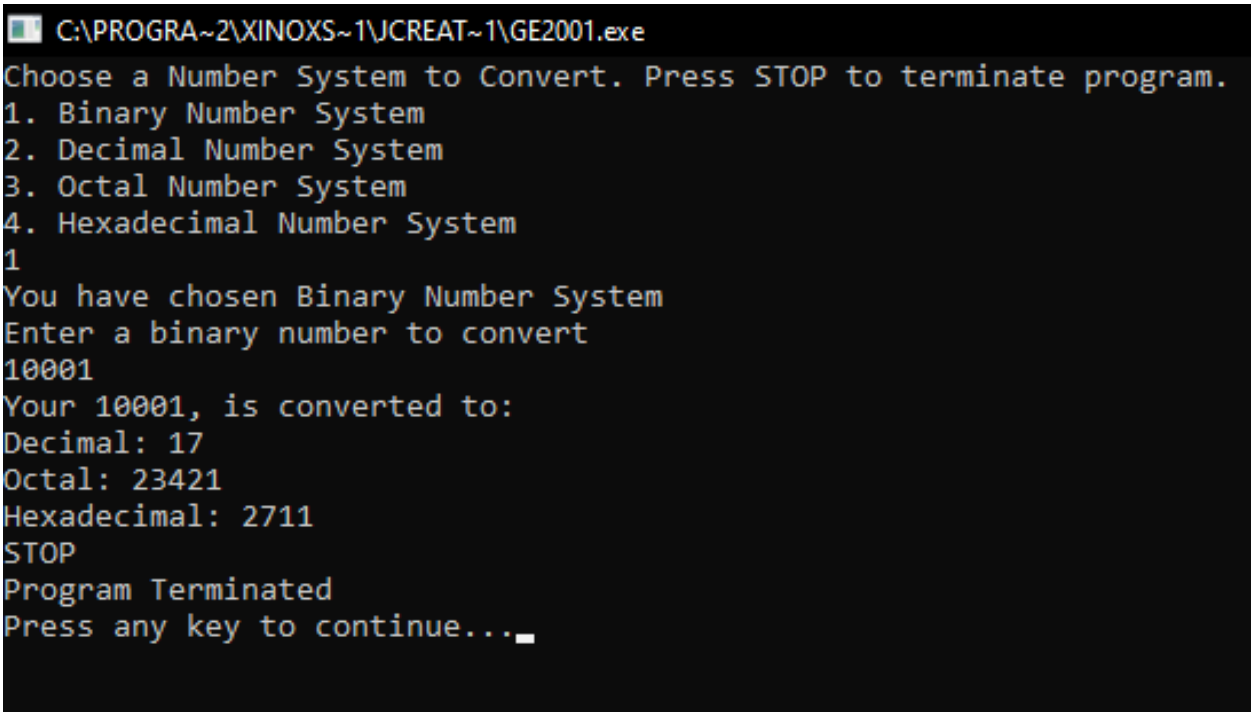
Nieves, James Arnold S. 09/09/2024

CC1-B Quest 2.2 - Programming: Radix Converter








```
import java.util.Scanner;


public class ProgrammingRadixConverter {

   public static void main(String[] args) {

      Scanner myInput = new Scanner(System.in);

      String output1 = "";

      String output2 = "";

      String output3 = "";

      String output4 = "";


      System.out.println("Choose a Number System to Convert. Press STOP to terminate program.");

      System.out.println("1. Binary Number System\n2. Decimal Number System\n3. Octal Number
System\n4. Hexadecimal Number System");

      while (true) {

         String myChoice = myInput.nextLine();


         if (myChoice.equals("STOP")) {
```

```
            System.out.println("Program Terminated");
            break;

        } else if (myChoice.equals("1")) {

            System.out.println("You have chosen Binary Number System");
            System.out.println("Enter a binary number to convert");

            String myNumber = myInput.nextLine();

            output2 = Integer.toString(Integer.parseInt(myNumber,2));
            output3 = Integer.toString(Integer.parseInt(myNumber),8);
            output4 = Integer.toString(Integer.parseInt(myNumber),16);
            System.out.println("Your " + myNumber + ", is converted to:");
            System.out.println("Decimal: " + output2 + "\nOctal: " + output3 + "\nHexadecimal: " +
output4);

        } else if (myChoice.equals("2")) {
            System.out.println("You have chosen Decimal Number System");
            System.out.println("Enter a decimal number to convert");

        } else if (myChoice.equals("3")) {
            System.out.println("You have chosen Octal Number System");
            System.out.println("Enter a octal number to convert");

        } else if (myChoice.equals("4")) {
            System.out.println("You have chosen Hexadecimal Number System");
            System.out.println("Enter a hexadecimal number to convert");
```

```
        } else {
            System.out.println("Error! Choice is not in the list!");
        }
        }
    }
}
```