

```
/*  
 * Adds two given integers and prints the result in a fancy way.  
 */  
public class AddTwo {  
    public static void main(String[] args) {  
        int num1 = Integer.parseInt(args[0]);  
        int num2 = Integer.parseInt(args[1]);  
  
        System.out.println(num1 + " + " + num2 + " = " + (num1 + num2));  
    }  
}
```

```
/*
 * Write a program that gets a quantity of cents as a command-line argument.
 * The program prints how to represent this quantity using as many quarters as possible,
 * plus the remainder in cents.
 */
public class Coins {
    public static void main(String[] args){
        int total = Integer.parseInt(args[0]);
        int quarters = total / 25;
        int cents = total - quarters * 25;

        System.out.println("Use " + quarters + " quarters and " + cents + " cents");
    }
}
```

```
/*  
 * Solves linear equations of the form  $a \cdot x + b = c$ .  
 * The program gets a, b, and c as command-line arguments,  
 * computes x, and prints the result.  
 * Treats the three arguments as well as the computed value as double values  
 */  
public class LinearEq {  
    public static void main(String[] args){  
        double a = Double.parseDouble(args[0]);  
        double b = Double.parseDouble(args[1]);  
        double c = Double.parseDouble(args[2]);  
  
        System.out.println(a + " * x + " + b + " = " + c);  
        System.out.println("x = " + (c-b)/a);  
    }  
}
```

```
/*
 * Three sides can form a triangle if the sum of the lengths of any two sides is greater
 * than the length of the remaining side.
 * This is known as the Triangle Inequality Theorem.
 * Write a program that tests if three given integers form a triangle.
 */
public class Triangle {
    public static void main(String[] args){
        int a = Integer.parseInt(args[0]);
        int b = Integer.parseInt(args[1]);
        int c = Integer.parseInt(args[2]);

        //checks if each side is smaller than the sum of the other two:
        boolean isTriangle = (a + b > c) && (a + c > b) && (b + c > a);
        System.out.println(a + ", " + b + ", " + c + ": " + isTriangle);
    }
}
```

```

/*
 * Generates three random integers, each in a given range [a,b),
 * prints them, and then prints the minimal number that was generated.
 */
public class GenThree {
    public static void main(String[] args){
        int a = Integer.parseInt(args[0]);
        int b = Integer.parseInt(args[1]);

        int max = Math.max(a, b);
        int min = Math.min(a, b);

        int gen1 = (int) (Math.random() * (max - min) + min);
        int gen2 = (int) (Math.random() * (max - min) + min);
        int gen3 = (int) (Math.random() * (max - min) + min);

        int minGen = Math.min(Math.min(gen1, gen2), gen3);

        System.out.println(gen1);
        System.out.println(gen2);
        System.out.println(gen3);

        System.out.println("The minimal generated number was " + minGen);
    }
}

```