

```
/*  
 * 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 quantity = Integer.parseInt(args[0]);  
        int quarters = quantity / 25;  
        int cents = quantity % 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]);  
        double x = (c - b) / a;  
        System.out.println(a + " * x + " + b + " = " + c);  
        System.out.println("x = " + x);  
    }  
}
```

```
/*
 * 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 side1 = Integer.parseInt(args[0]);
        int side2 = Integer.parseInt(args[1]);
        int side3 = Integer.parseInt(args[2]);
        boolean isTriangle = ((side1 + side2 > side3) &&
                               (side1 + side3 > side2) &&
                               (side2 + side3 > side1));
        System.out.println(side1 + ", " + side2 + ", " + side3 + ": " + 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 random1 = (int)((Math.random() * (b - a)) + a);
        int random2 = (int)((Math.random() * (b - a)) + a);
        int random3 = (int)((Math.random() * (b - a)) + a);
        int min = Math.min(Math.min(random1, random2), random3);
        System.out.println(random1);
        System.out.println(random2);
        System.out.println(random3);
        System.out.println("The minimal generated number was " + min);
    }
}
```