

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

```
/*
 * 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) {
        // Put your code here
        int cents = Integer.parseInt(args[0]);

        int quarters = cents / 25;

        int remainderCents = cents - (quarters * 25);

        System.out.println("Use " + quarters + " quarters and " + remainderCents +
"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 {  
    // Put your code here  
    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) {
        // Put your code here
        int a = Integer.parseInt(args[0]);
        int b = Integer.parseInt(args[1]);
        int c = Integer.parseInt(args[2]);

        boolean triangle = (a + b > c) && (a + c > b) && (b + c > a);

        System.out.println(a + ", " + b + ", " + c + ": " + triangle);
    }
}
```

```
/*
 * 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) {
        // Put your code here
        int a = Integer.parseInt(args[0]);
        int b = Integer.parseInt(args[1]);

        int x1, x2, x3;

        x1 = (int) (Math.random() * (b - a)) + a;
        x2 = (int) (Math.random() * (b - a)) + a;
        x3 = (int) (Math.random() * (b - a)) + a;

        int minValue = Math.min(x1, x2);
        minValue = Math.min(minValue, x3);

        System.out.println(x1);
        System.out.println(x2);
        System.out.println(x3);

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