

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

```
/*  
 * 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 quarters = Integer.parseInt(args[0]) / 25;  
        int cents = Integer.parseInt(args[0]) % 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) {  
        // given equation  $a \cdot x + b = c$ , calculate the x and print it  
        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) {  
        double a = Double.parseDouble(args[0]), b = Double.parseDouble(args[1]), c =  
Double.parseDouble(args[2]);  
        if (a < b + c && b < a + c && c < a + b){  
            System.out.println(args[0] + ", " + args[1] + ", " + args[2] + ": true");  
        }  
        else{  
            System.out.println(args[0] + ", " + args[1] + ", " + args[2] + ": false");  
        }  
    }  
}
```

```
/*  
 * 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 min = Integer.parseInt(args[0]);  
        int max = Integer.parseInt(args[1]);  
  
        int N = max - min;  
        double r1 = Math.random();  
        double r2 = Math.random();  
        double r3 = Math.random();  
  
        int rnd1 = ( (int) (r1 * N) + min);  
        int rnd2 = ( (int) (r2 * N) + min );  
        int rnd3 = ( (int) (r3 * N) + min );  
  
        int minimum = Math.min(rnd1, rnd2);  
        minimum = Math.min(minimum, rnd3);  
        System.out.println(rnd1 + "\n" + rnd2 + "\n" + rnd3 + "\n" + "The minimal generated  
number was " + minimum);  
    }  
}
```