

```
/*  
 * Adds two given integers and prints the result in a fancy way.  
 */  
public class AddTwo {  
    public STATIC void main(String[] args) {  
        // Created a variable named sum and sum in it the two arguments we want  
        //tp add  
        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) {
        // Get the amount of coins and print the number of quarters and cents it represents
        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) {
        // Prints true if the sum of the lengths of any two sides is greater than the
        // length of the remaining side.
        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.
 */
import java.util.Random;
public class GenThree {
    public static void main(String[] args) {
        // i.e. greater than or equal to a and less than b, prints them, and then prints the
        // minimal number
        // that was generated
        Random rand = new Random();

        int min = Integer.parseInt(args[0]);
        int max = Integer.parseInt(args[1]);

        int rnd1 = rand.nextInt((max - min)) + min;
        int rnd2 = rand.nextInt((max - min)) + min;
        int rnd3 = rand.nextInt((max - min)) + 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);
    }
}

```