

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

```
/*
 * 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 numcen = Integer.parseInt (args[0]);
        int quarters = numcen / 25;
        int cents = numcen % 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 = Integer.parseInt (args[0]);
        double b = Integer.parseInt (args[1]);
        double c = Integer.parseInt (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 a = Integer.parseInt (args[0]);
        int b = Integer.parseInt (args[1]);
        int c = Integer.parseInt (args[2]);
        boolean if_Triangle = a + b > c && a + c > b && b + c
> a ;
        System.out.println (a + ", " + b + ", " + c + ": " +
if_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) {
        int min = Integer.parseInt (args [0]);
        int max = Integer.parseInt (args [1]);
        int first_num = (int)(Math.random()*(max - min) +
min);
        int sec_num = (int)(Math.random()*(max - min) + min);
        int third_num = (int)(Math.random()*(max - min) +
min);
        int temp_min = Math.min (first_num, sec_num);
        int final_min = Math.min (temp_min, third_num);
        System.out.println(first_num + "\n" + sec_num + "\n" +
third_num);
        System.out.println("The minimal generated number was "
+ final_min);
    }
}

```