

```
/*
 * 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]);
        int sum = a + b;

        System.out.println(a + " + " + b + " = " + 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 NumOfCents = Integer.parseInt(args[0]);
        int cents, quarters;
        cents = NumOfCents % 25;
        quarters = (NumOfCents - cents) / 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 FirstSide = Integer.parseInt(args[0]);
        int SecondSide = Integer.parseInt(args[1]);
        int ThirdSide = Integer.parseInt(args[2]);

        boolean Check1 = ((FirstSide + SecondSide) >
ThirdSide);
        boolean Check2 = ((FirstSide + ThirdSide) >
SecondSide);
        boolean Check3 = ((ThirdSide + SecondSide) >
FirstSide);

        boolean Final = (Check1 && Check2 && Check3);

        System.out.println(FirstSide + ", " + SecondSide + ",
" + ThirdSide + ": " + Final);

    }
}

```

```

/*
 * 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 Rnd1 =(int)(Math.random()*(b - a) + a);
        int Rnd2 =(int)(Math.random()*(b - a) + a);
        int Rnd3 =(int)(Math.random()*(b - a) + a);

        int minimum = Math.min(Rnd1, Rnd2);
        int Minimum = Math.min(minimum, Rnd3);

        System.out.println(Rnd1);
        System.out.println(Rnd2);
        System.out.println(Rnd3);

        System.out.println("The minimal generated number was "
+ Minimum);

    }
}

```