

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

```
/*
 * 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 numberOfCents = Integer.parseInt(args[0]);

        final int QUARTER = 25;
        int quartersCount = numberOfCents / QUARTER;
        int centsRemainder = numberOfCents % QUARTER;
        System.out.println("Use " + quartersCount + " quarters and " + centsRemainder + " 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 = Double.parseDouble(args[0]);  
        double b = Double.parseDouble(args[1]);  
        double c = Double.parseDouble(args[2]);  
  
        double result = (c - b) / a;  
        System.out.println(a + " * x + " + b + " = " + c);  
        System.out.println("x = " + result);  
    }  
}
```

```
/*
 * 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 isTriangle = (firstSide + secondSide > thirdSide) && (firstSide + thirdSide > secondSide) &&
            (secondSide + thirdSide > firstSide);

        System.out.println(firstSide + ", " + secondSide + ", " + thirdSide + ": " + isTriangle);
    }
}
```

```

/*
 * 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 firstRangeNumber = Integer.parseInt(args[0]);
        int secondRangeNumber = Integer.parseInt(args[1]);

        int min = Math.min(firstRangeNumber, secondRangeNumber);
        int max = Math.max(firstRangeNumber, secondRangeNumber);

        int firstRandomNumber = (int) (min + (Math.random() * (max - min)));
        int secondRandomNumber = (int) (min + (Math.random() * (max - min)));
        int thirdRandomNumber = (int) (min + (Math.random() * (max - min)));

        System.out.println(firstRandomNumber);
        System.out.println(secondRandomNumber);
        System.out.println(thirdRandomNumber);

        int smallestRandomNumber = Math.min(firstRandomNumber, Math.min(secondRandomNumber, thirdRandomNumber));
        System.out.println("The minimal generated number was " + smallestRandomNumber);
    }
}

```