

```
/*  
 * Adds two given integers and prints the result in a fancy way.  
 */  
public class AddTwo {  
    public static void main(String[] args) {  
        int num1 = Integer.parseInt(args[0]);  
        int num2 = Integer.parseInt(args[1]);  
        System.out.println(num1 + " + " + num2 + " = " + (num1+num2));  
    }  
}
```

```
/*
 * 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 amount = Integer.parseInt(args[0]);
        int quarters = amount / 25 ; //the amount of quarters this number can be divided to
        int cents = amount % 25; //the amount of cents left
        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 = Double.parseDouble(args[0]);
        double b = Double.parseDouble(args[1]);
        double c = Double.parseDouble(args[2]);
        System.out.println(a + " * x + " + b + " = " + c);

        double x = (c-b)/a;
        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]);

        if(a+b>c && b+c>a && a+c>b) {
            System.out.println(a+", "+ b + ", " + c + ": true");
        }
        else {
            System.out.println(a+", "+ b + ", " + c + ": 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]);

    //generate 3 random numbers in the given range by the user.
    int rnd1 = (int)(Math.random() * (max - min)) + min;
    int rnd2 = (int)(Math.random() * (max - min)) + min;
    int rnd3 = (int)(Math.random() * (max - min)) + min;

    int minr = Math.min(rnd1,rnd2);
    minr = Math.min(minr,rnd3);

    System.out.println(rnd1);
    System.out.println(rnd2);
    System.out.println(rnd3);
    System.out.println("The minimal number generated was: " + minr);
    }
}

```