

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

```

/*
 * 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) {
        // Put your code here
        double a = Integer.parseInt(args[0]);
        double b = Integer.parseInt(args[1]);
        double c = Integer.parseInt(args[2]);
        boolean istriangle ;

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

```

```
/*  
 * 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) {  
        // Put your code here  
        int coins = Integer.parseInt(args[0]);  
        int quarter = coins/25;  
        int cent = coins%25;  
  
        System.out.println("Use " + quarter + " Quarters and " + cent + " 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 {  
    // Put your code here  
    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);  
}
```

```

/*
 * 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) {
        // Put your code here
        int a= Integer.parseInt(args[0]);
        int b= Integer.parseInt(args[1]);

        int num1, num2, num3;
        num1 = ((int)Math.floor(Math.random() * (b - a) + a));
        num2 = ((int)Math.floor(Math.random() * (b - a) + a));
        num3 = ((int)Math.floor(Math.random() * (b - a) + a));

        System.out.println(num1);
        System.out.println(num2);
        System.out.println(num3);

        int min=Math.min(num1, num2);
        min=Math.min(min, num3);
        System.out.println(min);
    }
}

```

