Yuval Klein

AddTwo

```
class AddTwo {
    public static void main(String [] args) {

        // Parse command-line arguments
        int x = Integer.parseInt(args[0]);
        int y = Integer.parseInt(args[1]);

        // Print the result
        System.out.println(x + " + " + y + " = " + (x + y));
    }
}
```

Yuval Klein

Coins

```
class Coins {
    public static void main(String [] args) {

        // Parse command-line argument
        int coins = Integer.parseInt(args[0]);

        // Calculate the number of quarters and remaining cents
        int quarters = coins / 25;
        int cent = coins % 25;

        // Print the result
        System.out.println("Use " + quarters + " quarters and " + cent
+ " cents");
    }
}
```

Yuval Klein

GenThree

```
import java.util.Random;

class GenThree {
    public static void main(String [] args) {

        // Parse command-line args
        int num1 = Integer.parseInt(args[0]);
        int num2 = Integer.parseInt(args[1]);

        // Generate three random numbers in the range [a, b) and find
the minimal number
        Random random = new Random();
        int random1 = random.nextInt(Math.max(num1, num2) -
Math.min(num1, num2)) + Math.min(num1, num2);
        int random2 = random.nextInt(Math.max(num1, num2) -
Math.min(num1, num2)) + Math.min(num1, num2);
        int random3 = random.nextInt(Math.max(num1, num2) -
Math.min(num1, num2)) + Math.min(num1, num2);
        int min_num = Math.min(Math.min(random1, random2), random3);

        // Print the generated random numbers and the minimal number
        System.out.println(random1 + "\n" + random2 + "\n" + random3);
        System.out.println("The minimal generated number was " +
min_num);
    }
}
```

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LinearEq

```
class LinearEq {
    public static void main(String [] args) {

        // Parse and declare command-line arguments
        double x = 0.0;
        double a = Double.parseDouble(args[0]);
        double b = Double.parseDouble(args[1]);
        double c = Double.parseDouble(args[2]);

        // Solve the linear equation
        x = (c - b) / a;

        // Print the equation and the solution
        System.out.println(a + " * " + "x " + "+ " + b + " = " + c);
        System.out.println("x" + " = " + x);
    }
}
```

Yuval Klein

Triangle

```
class Triangle {
    public static void main(String [] args) {

        // parse command-line args
        int side1 = Integer.parseInt(args[0]);
        int side2 = Integer.parseInt(args[1]);
        int side3 = Integer.parseInt(args[2]);

        //check if sides can be form a triangle
        boolean check_if_triangle = (side1 + side2 > side3) && (side2
+ side3 > side1) && (side3 + side1 > side2);

        // print the sides and the result
        System.out.println (side1 + ", " + side2 + ", " + side3 + ": "
+ check_if_triangle);
    }
}
```