Add Two

```
public class AddTwo {
    public static void main(String[] args) {
        // recieves two integers from the user
        int a = Integer.parseInt(args[0]);
        int b = Integer.parseInt(args[1]);
        // prints the sum of the integers
        System.out.println(a + " + " + b + " = " + (a + b));
    }
}
```

Coins

```
public class Coins {
    public static void main(String[] args) {
        // recieves the total number of cents from user
        int total = Integer.parseInt(args[0]);
        int quarters = total / 25; // calculates maximum number of quarter coins
        int cents = total % 25; // calculates the remainder of the total by single cent coins
        // prints representation of total cents using as many quarter coins as possible
        System.out.println("Use " + quarters + " quarters and " + cents + " cents");
    }
}
```

LinearEq

```
public class LinearEq {
    public static void main(String[] args) {
        // recieves a,b,c from user
        double a = Double.parseDouble(args[0]);
        double b = Double.parseDouble(args[1]);
        double c = Double.parseDouble(args[2]);
        double x = (c - b) / a; // computes the solution of the equation
        System.out.println(a + " * x + " + b + " = " + c); // prints equation
        System.out.println("X = " + x); // prints computed value
    }
}
```

Triangle

```
public class Triangle {
    public static void main(String[] args) {
        // recieves triangle side lengths from user
        int a = Integer.parseInt(args[0]);
        int b = Integer.parseInt(args[1]);
        int c = Integer.parseInt(args[2]);
        // calculates sum of every two sides
        int sum1 = a + b;
        int sum2 = a + c;
        int sum3 = b + c;
        boolean result = (sum1 > c) && (sum2 > b) && (sum3 > a); // checks if every sum is
greater than the remaining side
        System.out.println(a + ", " + b + ", " + c + ": " + result); // prints the sides of the
triangle and the result
    }
}
```

Gen3

```
public class Gen3 {
   public static void main(String[] args) {
      // recieves the range from the user
      int a = Integer.parseInt(args[0]);
      int b = Integer.parseInt(args[1]);
      // generates three random integers within the range given
      double num1 = (Math.random() * (b - a)) + a;
      double num2 = (Math.random() * (b - a)) + a;
      double num3 = (Math.random() * (b - a)) + a;
      // generates smallest number from the group
      double min = Math.min(num1, Math.min(num2, num3));
      // prints the numbers generated and the smallest number
      System.out.println((int) num1);
      System.out.println((int) num2);
      System.out.println((int) num3);
      System.out.println("The minimal generated number was " + (int) min);
   }
}
```