1

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

	}
}
```

2

```
/*
 * 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 sum = Integer.parseInt(args[0]);
	   int quarters = sum / 25;
	   int cents = sum % 25;
	   System.out.println("Use " + quarters + " quarters and " + cents + " cents");
	}
}
```

```
/*
 * Solves linear equations of the form a·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]);
    boolean isTriangle = (a + b) > c && (b + c) > a && (c + a) > b;
    System.out.println( a + ", " + b + ", " + c + ": " + 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 B = Integer.parseInt(args[0]);
        int U = Integer.parseInt(args[1]);
        int N = (U - B); // creating a range from the lower boundary to the upper boundary
     double r = Math.random();
     int n = (int) ((r * N) + B);
     double r2 = Math.random();
     int n2 = (int) ((r2 * N) + B);
     double r3 = Math.random();
     int n3 = (int) ((r3 * N) + B);
     // generated 3 random numbers within the given range
      System.out.println(n +"\n" + n2 + "\n" + n3);
    // finding the minimun value between the 3 generated numbers
     int min = Math.min(n,n2);
      min = Math.min(min,n3);
     System.out.println( "The minimum random number is " + min);

            }
}
```