Hw 01 – by gidon abbas.

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

                int a = Integer.parseInt(args[0]);
                int b = Integer.parseInt(args[1]);

        System.out.println(a + " + " + "" + b + " = " + (a + b));
  }
 }
```

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

                int a = Integer.parseInt(args[0]);
                int quarter = 25;

System.out.println("use " + (a / quarter) + " quarters and " + (a % quarter) + " cents ");

               // Because of being "a" and "quarters" an integers,
                // so the devision between them is an integer number.
  }
}
```

```
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]);

                // We need the variables to be doubles,
                // because the devision is not always a natural number.

   System.out.println(a + " * x + " + b + " = "  + c);
        System.out.println("x = " + ((c-b)/a));

                                // algorithem to solve the linear equation.
        }
   }
```

```
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 length; // What is the defenetion of length?

     length = (a+b>c && a+c>b && b+c>a && b+a>c && c+b>a && c+a>b);

          // The all combenations of the sides of the triangle.

  System.out.println( a + ", " + b + ", " + c + ": " + length);
 }
}
```

```
public class Gen3 {
   public static void main(String[] args) {

        // First, give the variables the command line arguments.

     int min = Integer.parseInt(args[0]);
     int max = Integer.parseInt(args[1]);

                        // print out three generated random number in the range [min, max).

     System.out.println((int)(Math.random() * (max - min) + min));
     System.out.println((int)(Math.random() * (max - min) + min));
     System.out.println((int)(Math.random() * (max - min) + min));
     System.out.println("The minimal generated number was " + "" + min);
 }
}
```