

HW1 Code - Itay Haramati

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

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

```
public class Triangle {  
    public static void main(String[] args) {  
        int side1 = Integer.parseInt(args[0]);  
        int side2 = Integer.parseInt(args[1]);  
        int side3 = Integer.parseInt(args[2]);  
        if(side1 + side2 > side3 && side2 + side3 > side1 && side1 +  
side3 > side2){  
            System.out.println(side1 + ", " + side2 + ", " + side3 +  
": " + true);}  
        else{  
            System.out.println(side1 + ", " + side2 + ", " + side3 +  
": " + false);  
        }  
    }  
}
```

```
public class GenThree {  
    public static void main(String[] args) {  
        int a = Integer.parseInt(args[0]);  
        int b = Integer.parseInt(args[0]);  
        int randomnum1 = a + (int)(Math.random() * ((b - a) + 1));  
        int randomnum2 = a + (int)(Math.random() * ((b - a) + 1));  
        int randomnum3 = a + (int)(Math.random() * ((b - a) + 1));  
        System.out.println(randomnum1);  
        System.out.println(randomnum2);  
        System.out.println(randomnum3);  
        System.out.println("The minimal generated number was " + a);  
    }  
}
```