HW1Code – Yitzhak Bar or – ID 208837278

```
public class AddTwo {
    public static void main(String[] args) {
        int a,b,c;
        a = Integer.parseInt(args[0]);
        b = Integer.parseInt(args[1]);
        c = a + b;
        System.out.println(a+" + "+b+" = "+c);
    }
}
```

```
public class Coins {
    public static void main(String[] args) {
        int coins,cent, quarters;
        quarters = 25;
        // getting number of cents
        coins = Integer.parseInt(args[0]);
        quarters = coins / quarters ;
        cent = coins % quarters;
        System.out.println( "Use " + quarters + " quarters and " + cent + " cents");
    }
}
```

```
public class LinearEq {
    public static void main(String[] args) {
        double a,b,c, x;
        // getting number of cents
        a = Double.parseDouble(args[0]);
        b = Double.parseDouble(args[1]);
        c = Double.parseDouble(args[2]);
        System.out.println( a + " * x + " + b + " = " + c );
        c = c-b;
        x = c/a;
        System.out.println("X = " + x );
    }
}
```

```
public class Triangle {
    public static void main(String[] args) {
        int x,y,z;
        // getting the sides length
        x = Integer.parseInt(args[0]);
        y = Integer.parseInt(args[1]);
        z = Integer.parseInt(args[2]);
        boolean triangle = false;
        // check the Triangle Inequality Theorem.
        if ( (x+y > z) && (x+z > y) && (y+z > x) ){
            triangle = true;
        }
        if (triangle) {
            System.out.println( x + ", " + y + ", " + z + ": "+ triangle );
        } else {
            System.out.println( x + ", " + y + ", " + z + ": "+ triangle );
        }
    }
}
```

```
public class Gen3 {
    public static void main(String[] args) {
        // Decelerate variables
        int maxNum, minNum, randomNum, count;
        // getting number from user
        minNum = Integer.parseInt(args[0]);
        maxNum = Integer.parseInt(args[1]);
        count = 0;
        int[] arr = new int[3];
        while (count < 3) {
            randomNum = (int) (Math.random() * (maxNum - minNum)) + minNum;
            System.out.println(randomNum);
            arr[count] = randomNum;
            count++;
        }
        int min = arr[0];
        for (int i = 0; i < arr.length; i++) {
            if (arr[i] < min){
                min = arr[i];
            }
        }
        System.out.println("The minimal generated number was " + min);
    }
}
```