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

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

public class Triangle {
    public static void main(String[] args) {
        int x,y,z;
        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 GenThree {
    public static void main(String[] args) {
        int maxNum, minNum, randomNum;
        int[] arr = new int[3];
        minNum = Integer.parseInt(args[0]);
        maxNum = Integer.parseInt(args[1]);
        for(int i=0; i<arr.length ; i++){
            randomNum = (int) (Math.random() * (maxNum - minNum)) + minNum;
            System.out.println(randomNum);
            arr[i] = randomNum;
        }
        // Find x=minimum number
        int x = arr[0];
        for (int i = 0; i < arr.length; i++) {
            if (arr[i] <= x){
                x = arr[i];
            }
        }
        System.out.println("The minimal generated number was " + x);
    }
}
```