

## Homework 1

### 1. AddTwo

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

## 2. Coins

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

### 3. Linear Equation Solver

```
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);    }  
}
```

#### 4. 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 = true;  
        if (a + b < c || b + c < a || a + c < b)  
        {  
            IsTriangle = false ;  
        }  
  
        System.out.println(a + " , " + b + " , " + c + ": " + IsTriangle);  
    }  
}
```

## 5. GenThree

```
public class GenThree {  
    public static void main(String[] args) {  
        int a = Integer.parseInt(args[0]);  
        int b = Integer.parseInt(args[1]);  
  
        int x1 = ((int)(Math.random() * (b-a) )) + a ;  
        int x2 = ((int)(Math.random() * (b-a) )) + a ;  
        int x3 = ((int)(Math.random() * (b-a) )) + a ;  
  
        int min = x1;  
        if (x2 < min) {  
            min = x2;  
        }  
        if (x3<min) {  
            min = x3;  
        }  
  
        System.out.println(x1);  
        System.out.println(x2);  
        System.out.println(x3);  
        System.out.println(" The minimal generated number was " + min);  
    }  
}
```