

# HW1Code.pdf

## 1. AddTwo

```
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));  
    }  
}
```

## 2. Coins

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

### 3. LinearEq

```
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 lengh1 = Integer.parseInt(args[0]);  
        int lengh2 = Integer.parseInt(args[1]);  
        int lengh3 = Integer.parseInt(args[2]);  
  
        if (lengh1 + lengh2 > lengh3 && lengh1 + lengh3 > lengh2 && lengh2 + lengh3 >  
lengh1) {  
  
            System.out.println(lengh1 + ", " + lengh2 + ", " + lengh3 + ": true ");  
  
        } else {  
  
            System.out.println(lengh1 + ", " + lengh2 + ", " + lengh3 + ": false ");  
        }  
    }  
}
```

## 5. Gen3

```
import java.io.*;

import java.util.*;

public class Gen3 {

    public static void main(String[] args) {

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

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

        int num1 = min + (int) (Math.random () * ( (max - min - 1) + 1));

        int num2 = min + (int) (Math.random () * ( (max - min - 1) + 1));

        int num3 = min + (int) (Math.random () * ( (max - min - 1) + 1));

        System.out.println(num1);

        System.out.println(num2);

        System.out.println(num3);

        if (num1<=num2 && num1<=num3) {

            System.out.println("The minimal generated number was " + num1);

        } else if (num2<=num1 && num2<=num3) {

            System.out.println("The minimal generated number was " + num2);

        } else {

            System.out.println("The minimal generated number was " + num3);

        }

    }

}
```

