

Homework no1 – Yossi Peleg

AddTwo program:

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

Coins program:

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

LinearEq program:

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

Triangle program:

```
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 = (a+b>c) && (a+c>b) && (b+c>a);  
  
        System.out.println(a + ", " + b + ", " + c + ": " + IsTriangle);  
  
    }  
  
}
```

GenThree program:

```
import java.util.*;
class GenThree {
    public static void main (String [] args){
        int x = Integer.parseInt(args[0]);
        int y = Integer.parseInt(args[1]);

        int First = (int) (Math.random()*Math.abs(y-x)+Math.min(x,y));
        int Second = (int) (Math.random()*Math.abs(y-x)+Math.min(x,y));
        int Third = (int) (Math.random()*Math.abs(y-x)+Math.min(x,y));

        //now we should print then all

        //System.out.println(First);
        //System.out.println(Second);
        //System.out.println(Third);

        int minimum = Math.min(First,Math.min(Second,Third));

        //System.out.println("The minimal generated number was " + minimum );
        System.out.println(First + "\n" +Second + "\n" + Third + "\nThe minimal
generated number was " + minimum);
        //using one SOP instead of four

    }

}
```