

1. AddTwo

```
public class AddTwo {  
    public static void main(String[] args) {  
  
        // get an input of 2 integers  
        int a = Integer.parseInt(args[0]);  
        int b = Integer.parseInt(args[1]);  
  
        // prints them as an equation  
        System.out.println(a + " + " + b + " = " + (a+b));  
    }  
}
```

2. Coins

```
public class Coins {  
    public static void main(String[] args) {  
  
        //get an input of the cents quantity  
        int totalcoins = Integer.parseInt(args[0]);  
  
        //calculates the quarters and cents remainder  
        int quarters = totalcoins / 25;  
        int cents = totalcoins % 25;  
  
        // prints the quarters and cents remainder  
        System.out.println("Use " + quarters + " quarters and " + cents + "  
cents.");  
    } }  
}
```

### 3. LinearEq

```
public class LinearEq {  
    public static void main(String[] args){  
  
        // get the 3 numbers to use in the equation  
        double a = Integer.parseInt(args[0]);  
        double b = Integer.parseInt(args[1]);  
        double c = Integer.parseInt(args[2]);  
  
        //prints the equation pre-calculation and then after calc  
        System.out.println( a + " * x + " + b + " = " + c);  
        System.out.println("x = " + (c-b)/a);  
    }  
}
```

### 4. Triangle

```
public class Triangle {  
    public static void main(String[] args) {  
  
        // get 3 values for the triangle sides  
        int a = Integer.parseInt(args[0]);  
        int b = Integer.parseInt(args[1]);  
        int c = Integer.parseInt(args[2]);  
  
        // define a bool that returns true if the sides can form a triangle or  
        flase if not  
        boolean IsTriangle = ((a+b) >= c && (a+c) >= b && (b+c) >= a);
```

```
        //Prints the result
        System.out.println(a + ", " + b + ", " + c + ": " + IsTriangle);
    }
}
```

## 5. GenThree

```
public class GenThree {
    public static void main(String[] args) {

        // get an input of the numbers range and save the range in an int
        int lowerbound = Integer.parseInt(args[0]);
        int upperbound = Integer.parseInt(args[1]);
        int range = (upperbound - lowerbound);

        //generates 3 random numbers in the defined range
        int rand1 = (int)((Math.random()* range)+ lowerbound);
        int rand2 = (int)((Math.random()* range)+ lowerbound);
        int rand3 = (int)((Math.random()* range)+ lowerbound);

        //calculate the minimal number out of the randoms
        int minimal = Math.min(Math.min(rand1,rand2), rand3);

        // prints the randoms and the minimal one
        System.out.println(rand1);
        System.out.println(rand2);
        System.out.println(rand3);
    }
}
```

## HomeWork 1 Code Dvir Bendavid

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