

AddTwo.java

```
public class AddTwo
{
    /*
    * Adds two given integers and prints the result in a fancy way.
    */
    public static void main(String[] args)
    {
        int x= Integer.parseInt(args[0]);
        int y= Integer.parseInt(args[1]);

        System.out.println(x + " + " + y + " = " +(x+y));

    }
}
```

Coins.java

```
/*  
 * Write a program that gets a quantity of cents as a command-line argument.  
 * The program prints how to represent this quantity using as many quarters as  
 * possible, plus the remainder in cents.  
 */  
  
public class Coins  
{  
    public static void main(String[] args) {  
        int x= Integer.parseInt(args[0]);  
        int y= x/25;  
        int z= x%25;  
        System.out.println("Use "+y+" quarters and "+z+" cents" );  
    }  
}
```

GenThree.java

```
import java.util.Random;

public class GenThree
{
    /*
    * Generates three random integers, each in a given range [a,b),
    * prints them, and then prints the minimal number that was generated.
    */

    public static void main(String[] args) {
        Random rd= new Random();
        // int array[]=new int[3]; לא באמת צריך עם מערך
        int min= Integer.parseInt(args[0]);
        int max= Integer.parseInt(args[1]);
        int min_num=max;
        for (int i=0;i<3;i++)
        {
            int int_random = rd.nextInt(min,max);
            System.out.println(int_random);

            //array[i]=int_random;
            if(int_random<min_num)
            {
                min_num=int_random;
            }
        }

        System.out.println("The smallest number the random function generated is:
"+min_num);
    }
}
```

```
}
```

LinearEq.java

```
/*
```

```
* Solves linear equations of the form  $a \cdot x + b = c$ .
```

```
* The program gets a, b, and c as command-line arguments,
```

```
* computes x, and prints the result.
```

```
* Treats the three arguments as well as the computed value as double values
```

```
*/
```

```
public class LinearEq
```

```
{
```

```
    public static void main(String []args)
```

```
    {
```

```
        double a= Integer.parseInt(args[0]);
```

```
        double b= Integer.parseInt(args[1]);
```

```
        double c= Integer.parseInt(args[2]);
```

```
        double x=(c-b)/a;
```

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

```
        System.out.println("x = "+x);
```

```
    }
```

```
}
```

Triangle.java

```
/*
 * Three sides can form a triangle if the sum of the lengths of any two sides is greater
 * than the length of the remaining side.
 * This is known as the Triangle Inequality Theorem.
 * Write a program that tests if three given integers form a 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]);

        if(a+b>c && a+c>b && b+c>a)
        {
            System.out.println(a+", "+b+", "+c+": true");
        }
        else
        {
            System.out.println(a+", "+b+", "+c+": false");
        }
    }
}
```