

```
1 // Pythagorean Triples: Ch 3, lab exercise 1.
2
3 import java.io.*;
4
5 public class PythagLim {
6     public static void main( String args[] ) throws IOException {
7
8         int sidel, side2, hypotenuse, count;
9
10        count = 0;
11
12        for (sidel = 1 ; sidel <= 250 ; sidel++) {
13            for (side2 = sidel + 1 ; side2 <= 250 ; side2++) {
14                for (hypotenuse = side2 + 1 ; hypotenuse < 500 ;
15                    hypotenuse++) {
16                    if ( ( sidel * sidel + side2 * side2 ) ==
17                        (hypotenuse * hypotenuse)) {
18                        count++;
19                        System.out.println( count + ": " + sidel + ", " +
20                            side2 + ", " + hypotenuse );
21                    }
22                }
23            }
24        }
25
26    }
27
28 }
29
30
```

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1 // Pythagorean Triples: Ch 3, lab exercise 1.
2
3 import java.io.*;
4
5 public class Pythag {
6     public static void main( String args[] ) throws IOException {
7
8         int side1, side2, hypotenuse, count;
9         double hypo;
10
11         count = 0;
12
13         for (side1 = 1 ; side1 <= 250 ; side1++) {
14             for (side2 = side1 + 1 ; side2 <= 250 ; side2++) {
15                 hypo = Math.sqrt(side1*side1+side2*side2);
16                 hypotenuse = (int) hypo;
17                 if ( hypo == hypotenuse ) {
18                     count++;
19                     System.out.println( count + ": " + side1 + ", " +
20                                         side2 + ", " + hypotenuse );
21                 }
22             }
23         }
24     }
25 }
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