

**Program 122a**

**(square vs squared)**

**Program Description:** Print a table of square roots and squares of the numbers 1-50 inclusive. Print column headings for the table and then on each line print in order: the number, the square of the number, and the square root of the number.

**Statements Required:** output, loop control

Sample Output:

Number Square Square Root

1 1 1.0000

2 4 1.4142

3 9 1.7321

4 16 2.0000

5 25 2.2361

6 36 2.4495

7 49 2.6458

8 64 2.8284

9 81 3.0000

10 100 3.1623

11 121 3.3166

12 144 3.4641

13 169 3.6056

14 196 3.7417

15 225 3.8730

16 256 4.0000

17 289 4.1231

.

. {remainder of numbers should be shown here}

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40 1600 6.3246

41 1681 6.4031

42 1764 6.4807

43 1849 6.5574

44 1936 6.6332

45 2025 6.7082

46 2116 6.7823

47 2209 6.8557

48 2304 6.9282

49 2401 7.0000

50 2500 7.0711