**OUTPUT:**

C:\Users\Saheed Ibrahim\Documents\UoPeople\CS1101-01\python practice\week 5>python exercise7.5\_square\_root.py

a = 1 | my\_sqrt(a) = 1.0 | math.sqrt(a) = 1.0 | diff = 0.0

a = 2 | my\_sqrt(a) = 1.414213562373095 | math.sqrt(a) = 1.4142135623730951 | diff = 2.220446049250313e-16

a = 3 | my\_sqrt(a) = 1.7320508075688772 | math.sqrt(a) = 1.7320508075688772 | diff = 0.0

a = 4 | my\_sqrt(a) = 2.0 | math.sqrt(a) = 2.0 | diff = 0.0

a = 5 | my\_sqrt(a) = 2.23606797749979 | math.sqrt(a) = 2.23606797749979 | diff = 0.0

a = 6 | my\_sqrt(a) = 2.449489742783178 | math.sqrt(a) = 2.449489742783178 | diff = 0.0

a = 7 | my\_sqrt(a) = 2.6457513110645907 | math.sqrt(a) = 2.6457513110645907 | diff = 0.0

a = 8 | my\_sqrt(a) = 2.82842712474619 | math.sqrt(a) = 2.8284271247461903 | diff = 4.440892098500626e-16

a = 9 | my\_sqrt(a) = 3.0 | math.sqrt(a) = 3.0 | diff = 0.0

a = 10 | my\_sqrt(a) = 3.162277660168379 | math.sqrt(a) = 3.1622776601683795 | diff = 4.440892098500626e-16

a = 11 | my\_sqrt(a) = 3.3166247903554 | math.sqrt(a) = 3.3166247903554 | diff = 0.0

a = 12 | my\_sqrt(a) = 3.4641016151377544 | math.sqrt(a) = 3.4641016151377544 | diff = 0.0

a = 13 | my\_sqrt(a) = 3.6055512754639896 | math.sqrt(a) = 3.605551275463989 | diff = 4.440892098500626e-16

a = 14 | my\_sqrt(a) = 3.7416573867739413 | math.sqrt(a) = 3.7416573867739413 | diff = 0.0

a = 15 | my\_sqrt(a) = 3.872983346207417 | math.sqrt(a) = 3.872983346207417 | diff = 0.0

a = 16 | my\_sqrt(a) = 4.0 | math.sqrt(a) = 4.0 | diff = 0.0

a = 17 | my\_sqrt(a) = 4.123105625617661 | math.sqrt(a) = 4.123105625617661 | diff = 0.0

a = 18 | my\_sqrt(a) = 4.242640687119286 | math.sqrt(a) = 4.242640687119285 | diff = 8.881784197001252e-16

a = 19 | my\_sqrt(a) = 4.358898943540673 | math.sqrt(a) = 4.358898943540674 | diff = 8.881784197001252e-16

a = 20 | my\_sqrt(a) = 4.47213595499958 | math.sqrt(a) = 4.47213595499958 | diff = 0.0

a = 21 | my\_sqrt(a) = 4.58257569495584 | math.sqrt(a) = 4.58257569495584 | diff = 0.0

a = 22 | my\_sqrt(a) = 4.69041575982343 | math.sqrt(a) = 4.69041575982343 | diff = 0.0

a = 23 | my\_sqrt(a) = 4.795831523312719 | math.sqrt(a) = 4.795831523312719 | diff = 0.0

a = 24 | my\_sqrt(a) = 4.898979485566356 | math.sqrt(a) = 4.898979485566356 | diff = 0.0

a = 25 | my\_sqrt(a) = 5.0 | math.sqrt(a) = 5.0 | diff = 0.0

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