## Machine Learning and Statistics task1

## October 6, 2020

Task:To code square root of a number without using the math library or any Library Code Written by Donal Maher References: [1] https://www.kite.com/python/answers/how-to-print-a-float-with-two-decimal-places-in-python [2] Understanding the square root and is used. https://en.wikipedia.org/wiki/Square\_root Research: The operation of "a" to the power of a one half is the same as square root. e.g. 3 to the power of 3 will equal 9. equivalence to 3 multiplied by 3 or 3 to the power of 2. 9 to the power of one half equivalence to 9 to the power of (2\*1/2) equals 9 So ,the square root of 9 equivalence to 9 to the power of a 1/2. Code expalined: The function sqrt2() below will take "a" a number as a parameter. The operation of "a" to the power of 1/2 is equivalence to the square root of "a"

In []: