

Homework - II

- Write a short Python script that asks the user for a number and finds the square root of the number using the algorithm on the right
 - do not use any math operators other than $+$, $-$, $*$, $/$
- Send your working Python code to TA
- You can collaborate, but every student needs to write and submit their own code!

- Calculate square root of x , i.e., y such that $y^2 = x$
- Algorithm
 1. guess number y
 2. if y^2 close enough to x : we're done
 3. otherwise average y and x/y to replace y
 4. check if y^2 is close enough to x ; otherwise repeat step 3
- Implementing this algorithm in Python is part 1 of homework...