

Homework 3, 2 Extra Credits (*Due: Sep 06*)

PYTHON PROGRAMMING FOR DATA SCIENCE - COSC 3360

Department of Computer Science and Electrical Engineering

Fall Semester, 2022

Exercises

*Create a **New Project** for every exercise. Take a screenshot of the source code along with its output and place the **source code** and the **screenshot** in a **zipped folder** named **LastNameFirstName_HW3***

Exercise 1

Similarly to Ex. 1 from Homework 2, compute the square root of a positive **integer** using **Newton's** algorithm without using the **break**, **continue** or any **math** function. You can use the **abs** built-in function

Note: See slide 56 for **Newton's** algorithm

Note: Submit through **Canvas**