

Programming Assignment 1

NAME _____

Turned in Oct. 20, 2021 9am: on Time _____ / 100 points

Turned in (10):

- ☐ Printout of .cpp file for program 2 (3)
- ☐ Hand calculations (2)
- ☐ Printout of made up input files (1)
- ☐ Printout of output files (2)
- ☐ Uploaded .cpp file to D2L (2)

Solution / Used Concepts Discussed in Class (56):

- ☐ Opens/Closes files (5)
- ☐ Uses for loop in main (5)
- ☐ Computes corrects number of squares iteratively (12)
- ☐ Computes correct number of squares recursively (12)
- ☐ Computes corrects number of squares with closed form (12)
- ☐ Prints results (5)
- ☐ 4-5 function prototypes & impls (5)

User Interface (I/O Formatting) (14):

- ☐ Good prompts (2)
- ☐ Asked user for name of files (2)
- ☐ Printed heading (name) (2)
- ☐ Printed Column Headings (2)
- ☐ Labeled all output (2)
- ☐ Columns lined up (2)
- ☐ Used blank lines and spacing (pretty) (2)

Readability/Algorithm/Style (20)

- ☐ Good comments
 - Top of every file (3)
 - Prototypes for functions (3)
 - Function implns (briefly) (2)
 - Internal code for main/functions (5)
- ☐ Good use of blank lines/spacing (2)
- ☐ Good choice of identifiers (1)
- ☐ Good indentation (2)
- ☐ Good choice of control structures (ie switches, loops, etc.) (2)