

Hermann Yepdjio 40917845
Weston Shipman 30702117

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Project 02

Program Division_P2

Program Description: Uses digit decomposition, using an array, and successive subtractions to perform the division of a long integer by a single decimal integer. The program reads the long integer from a file specified by the user, then prompt the user for directly entering the decimal integer which is used as divisor. The program then display the result to the user or a detailed message if an error was encountered or if the division could not be performed.

Use of the Program: When the program starts,

- the user will be prompted for a file name containing the long integer. (Please make sure to provide a text file (extension included) that contains a valid long integer),
- then the user will be prompted for entering a valid integer;
- then the result is display on the screen on the following format
dividend: 250 divisor: 2 remainder:0

Bugs: N/A.