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CS-301

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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.