Abstract
Your goal for this project is to write an unsigned 16-bit software implementation of both the multiplier and the divider architectures found in the book.

Input/Output
You are required to read two unsigned integers from the console. The valid range for both values is 0 to 65535.

Your program will multiply and divide them and provide the product, quotient, and remainder. Your program must include a trap (i.e. a notification and graceful exit) for divide-by-zero.

Here’s an example run:

Enter an integer: 10
Enter an integer: 4
Product is 40
Quotient is 2
Remainder is 2

You may not use any MIPS multiply or divide instructions for this project!

What to Submit
Submit your code via Dropbox.