

**CSCE 212**  
**Project 2**  
**MIPS Assembler Exercise**  
**Integer Division**  
**Due Date: 11/4**

**Abstract**

Your goal for this project is to write an unsigned 32-bit software implementation of the divider algorithm from the textbook.

**Input/Output**

The program should read two unsigned integers from the console. The valid range for both values is 0 to  $2^{31}-1$  (2147483647). Your program should divide the first value (dividend) by the second value (divisor) and print the quotient and remainder to the console. Your program must include a notification and graceful exit for divide-by-zero.

Here's two example runs:

```
Enter an integer: 10  
Enter an integer: 4  
Quotient is 2  
Remainder is 2
```

```
Enter an integer: 200000000  
Enter an integer: 3  
Quotient is 66666666  
Remainder is 2
```

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

**What to Submit**

Submit your code via Dropbox.