

CSE1322L - Lab 7

Objectives

Recursion

Background

In this lab you'll write a number of recursive methods.

Lab 7A: You will write multiplication, division and modular division using recursion.

Lab 7

- 4) Finally, write the main method, which prompts the user to either multiply, div, or mod. Then prompt the user for 2 numbers, call the appropriate method, receive a result, and print it out.

Continue to ask the user (you may use a loop here) until they choose 0 to quit.

Lab 7A Sample Output:

Choose from the following:

0. Quit
1. Multiply 2 numbers
2. Div 2 numbers
3. Mod 2 numbers

1

Enter first number

3

Enter second number

5

Answer: 15

Choose from the following:

0. Quit
1. Multiply 2 numbers
2. Div 2 numbers
3. Mod 2 numbers

1

Enter first number

5

Enter second number

0

Answer: 0

Choose from the following:

0. Quit
1. Multiply 2 numbers
2. Div 2 numbers
3. Mod 2 numbers

2

Enter first number

15

Enter second number

5

Answer: 3

Choose from the following:

0. Quit
1. Multiply 2 numbers

2. Div 2 numbers

3. Mod 2 numbers

2

Enter first number

15

Enter second number

2

Answer: 7

Choose from the following:

0. Quit

1. Multiply 2 numbers

2. Div 2 numbers

3. Mod 2 numbers

2

Enter first number

15

Enter second number

0

Answer:

C#: `string.Length`, `string[0]`, `string.Substring()`

Main method:

