CS1428 Lab 12h

# Name: Section:

Today we will cover what is an advanced topic called recursion. Recursion is what happens when you have a function call itself. This must be done with absolute care because if done incorrectly it will generate an infinite recurrence call and quickly use all of the available memory in your machine.

Ex:

int howFarFromTen(int x, int count)

{

if(x==10)

return count;

howFarFromTen(x+1,count++);

}

1. (25 points) Write a program that prompts the user for a starting and stopping position and returns the sum of all of the numbers from start to stop inclusive. (use the space below to plan)
2. (75 points) Fibonacci or Game of Life