

## CEN 134 Hw (Recursive Function Design)

Problem 1. Write the recursive function below:

```
int recursive_sum(int n, int m)
```

This function should return the sum of numbers between n and m.

Problem 2. The recursive greatest common divisor(gcd) algorithm is defined as below:

```
function gcd is:
input: integer x, integer y such that x >= y and y >= 0
    1. if y is 0, return x
    2. otherwise, return [ gcd( y, (remainder of x/y) ) ]
end gcd
```

Write recursive gcd function in C programming language.

Homework Policies:

1. Please do not submit this homework and because it will not be graded. If you any questions please see me or your lab. assistants (ask them for their office hours) at the office hour that is announced on my web site.

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