

CS 12 - Assignment 2

Recursion

Due Thursday, January 29

In this assignment you will be using recursion to solve two problems. Be sure to include all necessary information at the top of your program and use good commenting and style throughout. When you turn in your program, be sure to print out the proof of turn in page.

1. Write a recursive function that takes in an integer and prints out the value of that integer nicely formatted with commas. For example, if passed the integer 20196, it should print “20,196”. This function should take the form:

```
void print_commas(int num);
```

2. Write a recursive function that computes the gcd (greatest common divisor) of two integers. The gcd is defined as:

```
gcd(m,n) = n                                if m is divisible by n
gcd(m,n) = gcd(n, remainder of m divided by n) otherwise
```