

Recitation 6

Methods: Practice writing and calling your own methods. For each of these methods, figure out what parameters and return type you should use.

You may not be able to complete all the problems, get as far as you can.

- 1) Write a method that will find the gcf of two integers. You can re-use your code from last recitation if you have any. Use this method in a program that simplifies fractions, given a numerator and denominator by the user. So if the User inputs 90 for the numerator and 120 for the denominator, your program should output "3/4"
- 2) Write a method that will round a number to a specified number of decimal places. Use that method in a program that will print a positive number in scientific notation. So input .000838424 will give output 8.38×10^{-4} if using 3 significant digits.
- 3) Write a method to print a multiplication table of numbers 1 to n so that the output looks like the following:

n=9

1	2	3	4	5	6	7	8	9
2	4	6	8	10	12	14	16	18
3	6	9	12	15	18	21	24	27
4	8	12	16	20	24	28	32	36
5	10	15	20	25	30	35	40	45
6	12	18	24	30	36	42	48	54
7	14	21	28	35	42	49	56	63
8	16	24	32	40	48	56	64	72
9	18	27	36	45	54	63	72	81