## Review for finals #4 Due Thursday 5/27/21 by midnight

Your final exam (Thursday June 3 at 8:30AM) will be on Python. Today we're going to review using a try/except structure, printing numbers in columns, and printing pretty pictures using numbers in a list.

Today's task:

- Create a new program called Review 4 in repl.
- Use a try/except structure to ask the user for a number greater than 20. Give one error message if the user does not enter a number and a different error message if their number is 20 or less.
- Print the numbers from 1 to the number the user entered in 5 columns with a tab between each number. See sample output below.
- Use the following list of numbers to print three different cool pictures (all different from the one you did last class):

nums = [2, 4, 6, 7, 7, 8, 8, 8, 8, 9, 10, 10, 7, 8, 7, 6, 4, 3, 3, 3, 2, 2]

To print numbers in columns you use the following print call:

print(x,end="\t")

This prints a number then a tab instead of a new line. Then every once in a while (use the % operator to see when your number is divisible by 5 to be specific) you use a regular print line:

print()

to go to a new line. We did this a bunch the first semester. Specifically, I show you how to do columns in the day27 assignment.

Sample output on next page.

Please enter an integer greater than 20: 10 Your entry needs to be larger than 20. Please enter an integer greater than 20: whassup Invalid entry, please try again. Please enter an integer greater than 20: 27 3 1 2 4 5 6 7 8 9 10 12 13 14 11 15 16 17 18 19 20 22 23 24 21 25 26 27 Design 1 (using .center method): in a box): \$\$ \*\*\*\* \$\$\$\$ \$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$ \$\$\$\$ \$\$\$ \$\$\$ \$\$\$ ŚŚ \$\$ Design 2 (using both .ljust and .rjust methods): \$\$ \$\$ ŚŚŚŚ ŚŚŚŚ \$\$\$\$\$ \$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ \$\$\$\$\$\$ \$\$\$\$\$\$\$ \$\$\$\$\$\$ \$\$\$\$\$\$ \$\$\$\$ \$\$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$\$ \$\$ \$\$ \$\$ \$\$

Design 3 (closing everything up

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Design 4 (flipping to vertical):

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(You only need to do three different displays of the information, I showed you 4 to give you more ideas. You can do your own interesting versions. Feel free to be creative. You don't have to use stars or \$s, you can print any characters. Also, your different versions would be one after another, not in two columns like I did here; I did the columns to put them all on one page, you just have to print them out one after another.)