

CIS 40 - Assignment 4

Work with a partner for this assignment. When solving problems, two heads are usually better than one. You and your partner will write a script with the following 2 functions that display text strings.

a. (5 pts) A function called `indent` that indents a string by a certain number of spaces.

The function:

- accepts 2 input arguments: a string and the number of spaces.
- returns nothing (no output)
- prints the string after printing the specified number of spaces.

Make sure to have a docstring to describe the function.

Example output:

```
>>> indent ("hello", 0)
hello
>>> indent ("hi", 5)
    hi
```

b. (10 pts) A function called `center` that centers a string with respect to the screen width.

The function:

- accepts 2 input arguments: a text string and a screen width
- prints the text string in the center of the screen
- returns the number of indentation spaces

The screen width is how many characters can fit across the screen. You can assume that the string length will be less than the screen width.

Hint: call the `indent` function to indent by the appropriate number of spaces.

Here's an example output (the salmon colored bars are the output window left and right borders):

```
Indented by 38 spaces          1234
```

Extra credit (2pts):

Add to the script a `centeredBox` function that:

- accepts a text string and a screen width
- prints the string in a box that's centered in the screen width

This function must call one of the previous functions in order to earn the extra credit.

Example output:

```
>>> centeredBox("1234", 80)
*****
*  1234  *
*****
```