hw3_part4.py **(Worth 12 points)**

Finally, create a program that will output a "counting" box.

*(**WARNING**: This part of the homework is the most challenging, so budget plenty of time and brain power. And read the instructions carefully!)*

The program should prompt the user for these inputs, **in exactly this order:**

1. The width of the box
2. The height of the box

For these inputs, you can assume the following:

- The height and width will be integers greater than zero

Using this width and height, the program will print out a box where there are `width` numbers on each line and `height` rows. The numbers must count up starting from 1, and should continue counting up (do not restart the numbering).

HINT: You can keep the `print()` *function from printing on a new line by using putting* `end=" "` *at the end:* `print("Hello", end=" ")`. *If you do want to print a new line, you can call print without an argument:* `print()`.

(See the next page for sample output.)

Here is some sample output for **hw3_part4.py**, with the user input in **blue**. (Yours does not have to match this word for word, but it should be similar.)

```
bash-4.1$ python hw3_part4.py
Please enter a width:  4
Please enter a height: 2
1 2 3 4
5 6 7 8

bash-4.1$ python hw3_part4.py
Please enter a width:  12
Please enter a height: 7
1 2 3 4 5 6 7 8 9 10 11 12
13 14 15 16 17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32 33 34 35 36
37 38 39 40 41 42 43 44 45 46 47 48
49 50 51 52 53 54 55 56 57 58 59 60
61 62 63 64 65 66 67 68 69 70 71 72
73 74 75 76 77 78 79 80 81 82 83 84

bash-4.1$ python hw3_part4.py
Please enter a width:  11
Please enter a height: 13
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33
34 35 36 37 38 39 40 41 42 43 44
45 46 47 48 49 50 51 52 53 54 55
56 57 58 59 60 61 62 63 64 65 66
67 68 69 70 71 72 73 74 75 76 77
78 79 80 81 82 83 84 85 86 87 88
89 90 91 92 93 94 95 96 97 98 99
100 101 102 103 104 105 106 107 108 109 110
111 112 113 114 115 116 117 118 119 120 121
122 123 124 125 126 127 128 129 130 131 132
133 134 135 136 137 138 139 140 141 142 143
```