Thinking Tasks #1 - Boxes

1. Create some code which will print a box that looks like this:

```
+ -- +
|    |
+ -- +
```

2. Now make some code that will use a loop to print a row of boxes. Here is a good opportunity to use a for loop, e.g. `for i in range(5)` should print 5 boxes

```
+ -- + -- + -- + -- + -- +
|    |    |    |    |    |
+ -- + -- + -- + -- + -- +
```

You will probably find that your first attempt looks dreadful – what is happening?

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Hint: If you don't want to move on to the next line after printing something, put a comma `e.g. print "+",`

When do we need to tell the code to move on to the next line?

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You need to be careful that you don't end up with two middle pieces to your box (see below) – how can you get around this?

```
+ -- ++ -- +
|    ||    |
+ -- ++ -- +
```

3. Now see if you can use a nested loop to create a square of boxes. Again, careful that you don't end up with duplicates of the middle part, think of a way around this!

4. Put your code into a procedure boxes(rows, cols) that is given two integer arguments and prints a set of boxes with *rows* rows and *cols* columns. Be careful not to call this procedure using very large numbers as arguments as an error will occur. *What type of error is this, and why does it happen?*