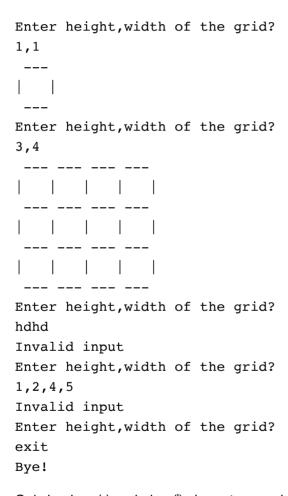
1 Grid Problem

• Please submit two files for this assignment - FIRSTNAME_LASTNAME_grid_1.py and FIRSTNAME LASTNAME grid 2.py.

Part 1:

- Write a function taking two arguments height and width as input and prints a grid of dimensions height x width.
- Write a script to take height and width as input in a REPL (infinite loop) and print out grid after each set of inputs. You can take them together or in separate lines... Up to you.
- Have some keyword for exiting the loop like "x" or "exit".
- In case of invalid input you should give an error message.

Example:



• Only hyphen (-) and pipe (|) characters are being used. And of course space - " ".

Part 2:

- Modify the previous function to take another input special_cells which should be a list of lists of
 coordinates which are the coordinates of some cells in the grid. For ex: [[1,2],[0,1],[2,3]].
- Print "X" in the corresponding cell if it is present in special cells.
- Modify the previous script REPL to also take the coordinates as input. How you take the input is up to you
 again.
- Again in case of invalid input you should give an error message and ask for input again. You can start from the beginning i.e. If someone gives height and width correctly, but messes up special_cells you can just restart from height and width.

Example:

```
Enter height, width of the grid?
1,1
Enter special cell as 'ROWNUM, COLNUM' (zero-indexed) or an empty line to pri
nt
0,0
Enter special cell as 'ROWNUM, COLNUM' (zero-indexed) or an empty line to pri
 ___
| X |
Enter height, width of the grid?
Enter special cell as 'ROWNUM, COLNUM' (zero-indexed) or an empty line to pri
nt
Enter height, width of the grid?
3,2
Enter special cell as 'ROWNUM, COLNUM' (zero-indexed) or an empty line to pri
nt
2,1
Enter special cell as 'ROWNUM, COLNUM' (zero-indexed) or an empty line to pri
nt
0,0
Enter special cell as 'ROWNUM, COLNUM' (zero-indexed) or an empty line to pri
nt
 --- ---
| X | |
___
| X |
Enter height, width of the grid?
ghs,2
Invalid input
Enter height, width of the grid?
Enter special cell as 'ROWNUM, COLNUM' (zero-indexed) or an empty line to pri
nt
2,23
Invalid cells - they are outside grid!
Enter height, width of the grid?
Enter special cell as 'ROWNUM, COLNUM' (zero-indexed) or an empty line to pri
nt
```

fhfh
Invalid input
Enter height, width of the grid?
exit
Bye!

Hints: Functions, Built-in Functions, Loops, break and continue, Conditions, Lists