

Hash Pattern

Write a Python program that asks the user to enter the number of lines, and then **uses nested loops** to draw the pattern shown in the sample terminal below.

Your output should exactly match the sample output, character for character, including all white space and punctuation. User input in the sample has been highlighted in **Pappy's Purple** to distinguish it from the program's output, but your user input does not need to be colored. Save your finished program as `hash_pattern.py`, and submit it along with a screenshot showing a run where the user enters the number 15.

Terminal

```
$ python hash_pattern.py
Enter the number of lines: 15
##
# #
#  #
#   #
#    #
#     #
#      #
#       #
#        #
#         #
#          #
#           #
#            #
#             #
#              #
#               #
```