

03.1 - Cakes

Write a Python program that asks the user to enter a number of layers, and then **uses nested loops** to draw the ASCII art cake 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 `cakes_login.py`, where `login` is your Purdue login. Then submit it along with a screenshot showing a run of your program where the user enters the number 6.

Terminal

```
$ python cakes_pattern.py
Enter the number of layers: 6
    [*]
   [***]
  [*****]
 [*****]
[*****]
[*****]
[*****]
```