Question One. 30 points. Complete the program below using a **for loop**. The sample output below shows what the program should produce when the user enters a 7. The first line is right justified in a field width of 1, the second line is right justified in a field width of 2, etc. Hint: If `number` contains an integer, you can convert it to a string with the statement `str(number)`

```python
number = input("Enter a positive integer from 1 to 9: ")

number = int(number)
```

Enter a positive integer from 1 to 9: 7
1
  2
    3
      4
        5
          6
            7
Question Two. 40 points. A sprite is a simple spider shaped thing with n legs coming out from a center point. The angle between each leg is $360 / n$ degrees. Write a program to draw a green sprite where the number of legs is a positive integer provided by the user and each leg is 20 pixels long. For example, if the user inputs 7, the sprite below is drawn with its body centered:
Question Three. 30 points. In high school, one learns how to solve the equation $ax + b = 0$ for $x$ when $a$ and $b$ are given and $a$ is not equal to 0.0. Write a Python program that automates this task. The program should first ask the user for the values of $a$ (2.5 in the example below) and $b$ (7.5 in the example below). The program should then calculate and print the value for $x$ that makes the equation true (-3.0 in the example below). Match the output in the sample transcript below exactly.

```python
Enter a: 2.5
Enter b: 7.5
The equation $ax + b = 0$ when $x = -3.0$
```