03.4 - Organisms

Write a program that predicts the approximate size of a population of organisms. The application should allow the user to enter the starting number of organisms, the average daily population increase (as a percentage), and the number of days the organisms will be left to multiply.

Test your program with the data in Table 1. Finally, format your program to match the sample terminal. 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 program as `organisms_login.py`, where `login` is your Purdue login. Then submit it along with a screenshot showing a run of the test case.

Input			Output	
Start	Rate	Days	Day	Pop.
9.5	95	15	0	9.500
			1	18.525
			2	36.124
			3	70.441
			4	137.361
			5	267.853
			6	522.314
			7	1,018.511
			8	1,986.097
			9	3,872.890
			10	7,552.135
			11	14,726.662
			12	28,716.992
			13	55,998.134
			14	109,196.361
			15	212,932.903

Table 1: Population test data.

Terminal

```
$ python organisms.py
Starting population, in thousands: 9.5
Average daily increase, in percent: 95
Number of days to multiply: 15
Day   Approx. Pop
  0         9.500
  1        18.525
  2        36.124
  3        70.441
  4       137.361
  5       267.853
  6       522.314
  7     1,018.511
  8     1,986.097
  9     3,872.890
 10     7,552.135
 11    14,726.662
 12    28,716.992
 13    55,998.134
 14   109,196.361
 15   212,932.903
```