CS 151 - Homework 5

Directions: Use no more than two print statements in each file.

Remember to make your programs executable.

1 square.py

Write the program square.py, it should get an integer form the user and store it in variable n. Then it should print an n by n square of A's.

Example:

If n = 4 then the program should print:

```
AAAA
AAAA
AAAA
AAAA
```

2 absquare.py

Write the program square.py, it should get an integer from the user and store it in variable n. It will make n rows and each row will have n characters in it. The first row will have one A then (n-1) B's. Each new row will have one more A and one fewer B.

Example: Example: If n = 4 then the output would be:

```
ABBB
AABB
AAAB
AAAA
```

3 triangle.py

This program should get an integer from the user and store it in the variable n. It should make a triangle consisting of n rows of A's. Each new row has one more A than the last. The first row has one A.

Example: If n=4 then the output would be

```
A
AA
AAA
AAAA
```

4 revtriangle.py

This program should get an integer from the user and print a reversed triangle like in problem 3. (You will need to print spaces.)

Example: If n=4 then the output would be

```
   A
  AA
 AAA
AAAA
```

5   triangles.py

This program should get an integer from the user and store it in the variable n. This is the number of triangles to be printed. The first triangle should have two rows, and each triangle will have one more row than the last.

Example: If n=4 then the output would be

```
A
AA
A
AA
AAA
A
AA
AAA
AAAA
A
AA
AAA
AAAA
AAAAA
```

6   unixLab.txt

Visit the unix lab in Root Hall A-015 (see the bottom of cs.indstate.edu for hours) and ask who is on duty. Login to your account and show the lab assistant one of your programs either from this assignment or a previous one. Ask the lab assistant for their name and best programming language. Fill in the information in the file unixLab.txt.

7   instructor.txt

Similar to the last question, but also visit your instructor and complete the file instructor.txt