CISC106 Honors - Fall 2017
Lab 5, due Sunday 10/15

Every program below must have **at least** three good tests unless otherwise noted.

Problems for submission:

1. Complete the web page assignment. Be sure you have completed: two directories, two index.html files, image, links. All parts must be viewable. When you submit this assignment, enter a link to your web page as the comment for your assignment so that your TA can click on it.

2. Download the file timingForLab.py. Run it. Figure out what it does, and write down questions you have to ask in class. Modify the file as noted in the comments so that you generate a list of runtimes of your makeCombos function using a for loop and index. You should generate times up to list size 25 or more, but don't go past two or three minutes for one run of makeCombos. Save a copy of the python shell as a text file showing your code run and the list of times, and submit on canvas along with your code file.

3. Write a function that **prints** a tidy multiplication table, as below. Use nested for loops. No tests for this function.

```
>>> multTable(5)
     0     0     0     0     0
     0     1     2     3     4
     0     2     4     6     8
     0     3     6     9    12
     0     4     8    12    16
```

4. Write a function using loops to **print** the truth table below. The values shown in the fourth column must be calculated from the values of the variables in the first three. For example, in the first line, the last value is calculated as

   ```
   p1 and (p2 or p3)
   ```

   where p1, p2, and p3 are all variables bound to True. Use your nested loops to give different values to those variables. No tests for this function.

```
>>> boolTable1()
p1       p2      p3      p1 and (p2 or p3)
True     True    True    True
True     True    False   True
True     False   True    True
True     False   False   False
False    True    True    False
False    True    False   False
False    False   True    False
False    False   False   False
```