**Exam 1 Instructions**

Comment your programs! You will submit TWO (2) Python files: one for the Turtle program and one for the Pizza program. Please put comments in both files.

1. Turtle Program Instructions:
   1. Please look at the attached Turtle Solution image. You may use totally different colors an pen widths, but there should be fill colors and outline colors.
   2. there should be six circles
      1. circles go from smaller to larger
      2. circles are overlapping
      3. circles sit on an imaginary vertical line so the effect is similar to a Christmas tree
      4. notice that this vertical line is sort of in the middle of the window
      5. use the Turtle starter code from 4.2 in our book
      6. include the click to exit functionality (last line of code).
   3. To fail gracefully:
      1. have some kind of circles
      2. have a Christmas tree of squares
      3. but please produce six shapes
2. Pizza Program Instructions:
   1. Let’s start with the desired output. Note where you see underlined, those should be your variables when you write the print statement.

*Your order: 2 pizzas at 10.99 each*

*Food total: 21.98*

*Tax amount: 2.24*

*Your bill: 30.21*

* 1. Store the price of pizza in a variable
  2. Create variables for food total, tax amount, and bill total
     1. Set those variables to 0 (zero) for now
  3. Ask the user how many pizzas they want
  4. Calculate the food total (number of pizzas multiplied by pizza price)
  5. Compute the tax amount using tax rate of 8.5% (0.085)
     1. formula for tax amount: food total multiplied by tax rate
  6. Calculate the bill total: add the food total and the tax amount
  7. Display the entire detailed bill using a mix of words and variables
     1. use the example above as a guide
     2. produce that output
  8. Please note that I will test with different numbers. The program has to work for any number of pizzas.