5.7.3 and 5.9.2

**5.7.3**

1. firstList = secondList copies 0s into each firstList element.
   1. False
2. This loop copies firstList to secondList, so that secondList becomes 33, 44, 55, 66:
   1. True
3. After a for loop copies firstList to secondList, the assignment secondList[0] = 99 will modify both arrays.
   1. False
4. Given thirdList with size 5 and elements 22, 21, 20, 19, 18, the following causes firstList's values to be 22, 21, 20, 19, 18:
   1. False

**5.9.2**

1. Declare and initialize a two dimensional array of integers named dataVals with 4 rows and 7 columns using default element values.
   1. int[ ] [ ] dataVals = new int [4 ] [7 ];
2. How many total integers elements are in an array with 4 rows and 7 columns?
   1. 28
3. How many elements are in the array declared as: char[][] streetName = new char[20][50];
   1. 1000
4. Write a statement that assigns 99 into the fifth row, third column of array dataVals. Note: the first row/column is at index 0, not 1.
   1. dataVals[4][2]=99;

**Assessment Questions**

1. For the proc method shown in Task 1, answer the following:
   1. What is the return type of the method, proc? What line in the above code can you find this information?
      1. It will return type is an integer. This information can be found on line 1 when the method constructor is created
   2. What is line 3 doing? (Answer in terms of variable name, type and initial value)
      1. Line 3 is creating an integer array called arr that is pointing to a blank space.
   3. Why do we need to use try in line 4?
      1. We need to use try because since this code is checking a imported file into the reader, this code needs to continuously be trying to run until there is no more data to be read
   4. What line(s) read in the dimension of the matrix?
      1. Line 12 is read in matrix dimensions because of the use of variables “I” and “j” meaning that they are checking two varying variables
   5. What is line 8 doing?
      1. Line 8 is initializing int [][] arr to variables row and column that are getting their values from a scanner that is being passed a parameter
   6. Why is there no while-loop in this method, and why we can use a for-loop?
      1. There is no while-loop because the text file is being read automatically and can stop abruptly. So we use try because this means that the section of code is trying to run , it is not being forced to do it just in case there isn’t any lines to read. Also, we use a for-loop because we need to vary the indicies of the array since we have a 2-d array and not a standard 1-d array
   7. How many times does line 12 get executed? (Answer in terms of an expression involving # rows and # of columns)
      1. Line 12 will execute in arr[ row-1][column-1] times.
2. Answer the following questions concerning the code given in Task 3:
   1. What does arr2D.length mean?
      1. It gets the size of the entire array from any starting point
   2. What does arr2D[0].length mean?
      1. This gets the whole length of the first row of the 2-d array. This way only one row is being used to calculate the entire length since each row is the same size as the next
   3. What does arr2D[i][j] + "\t" create?
      1. This prints out the value of that row and column and then spaces each pair of numbers out with a “tab"