* Declare an array of at least 10 people in a contacts list. Please do not use real phone numbers, birthdates, or email addresses. Be sure to have some repeated values, such as a relationship to you and birth months.  
  **For example:** Diana Prince, aunt, Oct 25, 321-555-0811, wonderwoman@theamazon.net
* Design a static method that traverses through the array and prints all the contacts in a table format.
* Since the data will need to be sorted prior to conducting a binary search, create sort methods for name and relationship values.
  + You may use the insertion, selection, or merge sort, but not a bubble sort.
  + Name and document the methods to clearly indicate the type of sort and the values being sorted.
  + Utilize print debugging statements to ensure the sorts worked. Be sure to comment these out prior to submitting your work.
* Create the following static methods in the tester class. Utilize the sequential and binary search algorithms as indicated.
  + a binary search method that searches the array for a particular name
  + a binary search method that searches the array for a relationship. The output should list all contacts with the same relationship, such as friend or aunt. Create a linearPrint method to assist in finding all occurrences
  + a sequential search method that searches the array for all birthdays in the specified month. Hint, substrings will help you when looking for matches
  + a sequential search method that searches the array for all contacts with the same phone number
  + a sequential search method that searches the array for all instances of a particular email address

**EASY TO UNDERSTAND**

* Make an array of 10 ppl in a contacts list. That includes:
  + Name
  + Phone #
  + Birthdates
  + Email Addresses
  + Example: Diana Prince, aunt, Oct 25, 321-555-0811, wonderwoman@theamazon.net
* Create the following methods
  + One to roll through and print each item in the array
  + Sort the array and label what method is used
  + Using binary:
    - A method that searches the array for a name
    - A method that searches the array for a relationship, including multiple
  + Using sequential:
    - A method that searches the array for all birthdays in a specified month
    - A method that searches the array for contacts with the same phone number
    - A method that searches the array for instances of an email