FINAL EXAM, Part 2 (100 points) DUE FRIDAY MAY 9TH

1. Write a Python program that fills a new database file (`phoneNumbers.db`) with a person's first name, last name, and phone number. *
2. The database should have three text fields (`first name`, `last name`, and `phone number`) in a database table named '`People`'.
3. Use the text file `phoneNumbers.txt` to populate the table `People` in your program**. Check that the input file exists using the `TRY` and `EXCEPT` structure.
4. If a line in the text file is missing data or is a blank line, the program should flag the line as an error, keep track of these error lines in a Python list, and skip the line (do not process it).
5. The program should display the total number of lines in the text file which were not processed and the specific line numbers in the text file of these 'skipped' lines. For example, the program should display the following:

   ```
   7 error lines were detected and not processed: [4, 5, 10, 15, 22, 38, 39]
   ```

6. The program then should ask the user to enter a last name or one or more characters of a last name to search for in the database***.
7. Using the newly created database, the program should locate all the rows matching the user's input.
8. The program should display all the names that match the user's input and their corresponding phone numbers**. For example, if the user enters "`Levin`", the program should display the following:

   ```
   Levins, Joaquina: 323-888-6202
   Levins, Makeda: 323-216-9079
   Levins, Rosa: 323-855-0394
   Levin, Max: 323-953-3396
   ```

   If no records were found, the program should display a message for the user. For example the program should display: `No records were found matching your criteria.`
9. Upload (attach) your file in Blackboard.

*** Use only the libraries, data structures, statements, instructions, commands, methods and functions that were covered in this course.**

**** Do not use a database management system, like SQLite.**

***** Do not use the string formatting operator "%".**