Important Note: Please follow the java coding style. Comment your code. Maintain indentation. 10% of this lab assignment is reserved for coding style and documentation.

1. The text files `boynames.txt` and `girlnames.txt`, which are included in the source code for this book text, contain a list of the 1,000 most popular boy and girl names in the United States for the year 2003 as compiled by the Social Security Administration.

   These are blank-delimited files, where the most popular name is listed first, the second most popular name is listed second, and so on, to the 1,000th most popular name, which is listed last. Each line consists of the first name followed by a blank space and then the number of registered births using that name in the year. For example, the `girlnames.txt` file begins with

   Emily 25494

   Emma 22532

   Madison 19986

   This indicates that Emily was the most popular name with 25,494 registered namings, Emma was the second most popular with 22,532, and Madison was the third most popular with 19,986.

   Write a program that reads both the girl and boy files into memory using arrays. Then, allow the user to input a name. The program should search through both arrays. If there is a match, then it should output the popularity ranking and the number of namings. The program should also indicate if there is no match.

   For example, if the user enters the name "Justice," then the program should output

   ```
   Justice is ranked 456 in popularity among girls with 655 namings.
   Justice is ranked 401 in popularity among boys with 653 namings.
   ```

   If the user enters the name "Walter," then the program should output

   ```
   Walter is not ranked among the top 1000 girl names.
   Walter is ranked 356 in popularity among boys with 775 namings.
   ```

Submission: Combine all the files into one folder, zip the folder and upload the zipped folder. Upload your code on the course lab section on d2l.mu.edu. As time permits, show your demo to the TA.