

Seneca College

Nov 9, 2019

Applied Arts & Technology
SCHOOL OF COMPUTER STUDIES

JAC444 **Demo and Code Submission Date: Nov 15, 2019**

Workshop 7

Notes:

- i. Each task should be presented during the lab, demo worth 70% of the workshop marks and code uploading worth the other 30%.
- ii. Make sure you have all security and check measures in place (with proper use of Exceptional Handling where ever needed), like wrong data types etc.
- iii. Make your project in proper hierarchy; introduce proper class coherence in your project. Proper packages and **your project should be handled by only one main method which should be in a TesterClass.**
- iv. Given output structure is just for student to have a glimpse what the output can look, students are free to make the output better in any way.

Other inputs can be given during demo, so make sure you test your program properly.




Task 1:

You have been provided with 10 different data files which include the popular baby names with their ranking from years 2001 to 2010. The files are named as **babynameranking2001.txt**, **babynameranking2002.txt**, . . . , **babynameranking2010.txt**. Each file contains one thousand lines. Each line contains a ranking, a boy's name, number for the boy's name, a girl's name, and number for the girl's name. For example, the first two lines in the file **babynameranking2010.txt** are as follows:

1. Jacob 21,875 Isabella 22,731
2. Ethan 17,866 Sophia 20,477

So, the boy's name Jacob and girl's name Isabella are ranked #1 and the boy's name Ethan and girl's name Sophia are ranked #2. 21,875 boys are named Jacob and 22,731 girls are named Isabella.

Write a program that asks the user to enter the year, gender, and followed by a name, and displays the ranking of the name for the year. Here is a sample run:




Search Name Ranking Application   

Enter the Year:

Enter the Gender:

Enter the Name:

Boy name Javier is ranked #190 in 2010 year

Search Name Ranking Application   

Do you want to Search for another Name: