

CSE201: Advanced Programming

Lab Assignment 6

General Instructions:

- The lab is to be attempted individually.
- The TAs are there to help you out only with doubts in understanding the questions and probably some syntax related issue.
- You may use javadoc and lecture slides
- Do not indulge in any form of plagiarism as a strict penalty would be imposed.
- No deadline extensions would be made.

Submission Instructions:

- Place your java files in this package: `com.iiitd.ap.lab6`
- Make sure that you **add the @author tag** with your full name and roll number to all the java files.
- Submit the **only the .java files**
- **Submissions not done in the described format shall not be evaluated.**

You have been provided with 20 txt files each containing title, authors and abstract of some research papers.

The user must input an integer k through console.

Followed by inputting value of k, the user should enter an option(0,1,2 or 3) where

Option '0' exits the program.

Option '1' should further prompt the user to enter a title. The program should return and display top k frequently occurring words in the abstract of the file that has the entered title. If no such document with the entered title exists, display message: No such document

Option '2' should further prompt the user to enter name of an author. The program should return and display top k frequently occurring words among the abstracts that have been authored by the entered author. If no such document with the entered author exists, display message: No such document

Option '3' should return and display top k frequently occurring words among the abstracts of all the documents.

The program should iteratively ask to enter the option until 0 is entered.

Note: Words are case insensitive so take care of it. Eg. 'The' and 'the' should both count towards the frequency of the word 'the'.

You are free to design your class(es) the way you want to.