

CS 202: IT Workshop I

Assignment X: File handling in Java

1. Write a Java program to display the details of all the common words present in two files.

Execution should be done from the command prompt as shown below (values are just for explaining purposes).

java DisplayCommonWrods abc.txt def.txt

Output:

The following words are common in both files with the following details:

iiitg: length 5, appeared in 5th line of abc.txt and 9th line in def.txt

Guwahati: length 8, appeared in 7th line of abc.txt and 1st, 2nd and 4th line in def.txt
[in the above example, iiitg and Guwahati were the only common words]

2. Design a class Student with fields: first name, last name, roll number and cpi, age. Create 10 objects of the class and write a method to store them in a file "Student.ser" using object serialization. Write another method to read the details from the file and store them in an ArrayList. Write two more methods as follows.

a) to display the details of the students whose names start with M.

b) to display the details of the students whose age is below 18.

Note:

Case sensitivity in both programs may be handled as you feel comfortable. You may ignore it or you may consider it.