

CS 202: IT Workshop I

Assignment VIII (Group: GG1)

1. Write a Java program to display the details of a file. Details include number of lines, number of words, number of characters, number of bytes, etc.

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

Input:

FileDisplayDetails abc.txt

Output:

Following are the details of the file abc.txt

Total number of lines: 20

Total number of words: 300

Total number of characters: 5000

Total number of bytes: 10000

5th line in the file contains highest number of words. It is: 30

2. Design a class Student with fields: first name, last name, roll number and cpi. 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 student with the lowest cpi.

b) to display the average cpi of all the students.