

Object-Oriented Programming Lab, Lab#11, Fall 22

Today's Topics

- Input / Output
- Serialization
- GUI

Problems/Assignments

- 1) A text file named **olympic.txt** contains information of all countries participating in the last Olympic. Each line in the file starts with the name of the country followed by the number of **gold, silver and bronze** medals won by the country. Write a Java program that reads the file and writes the content of this file into another file named **processed.txt**. A sample file looks as following.

USA 46 37 38 UK 27 23 17 China 26 18 26 Russia 19 18 19 Germany 17 10 15
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- 2) A text file named **scores.txt** contains information of students (id followed by 4 CT marks). Write a Java program that reads the file, read each line, identifies the best **ct** score of each student and then display the student id and best **ct** in console for each student. A sample file looks as following.

Sample Input file	Sample Output
20101001 12 18 20 19	20101001 20
20101002 18 19 12 19	20101002 19
20101004 10 18 10 9	20101004 18
20101005 20 18 20 19	20101005 20
20101007 19 18 10 15	20101007 19

- 3) Implements Serialization for **Student** class and serialize a student object. Also, deserialize the stored data.