

Name: _____

Byte I/O
Practice Exercise – 06b**Objectives:**

Learn about binary file I/O reading, writing and threads.

Description:

Write a program, BytePe1.java, that reads a binary file ClassList.dat, calculating the grades and prints the results. The file layout is as follows:

Binary data file contains:

Data type	Data item
UTF	Student Name
integer	Student number
double	Grade in class 1
double	Grade in class 2
double	Grade in class 3
double	Grade in class 4

Requirements:

Read the binary data file not knowing how many records are in the file. Compute the average of grades, and print the average as the last column of the data read.

There are three examples shown. However, the data file contains more data than shown. Do not program for only three people. The program must handle all the data, and terminate without errors.

Use the printf method for formatting. Make sure your headings, and column output matches exactly. Blank spacing between columns does not have to match exactly.

Partial sample of the output:

Name	ID	Grade1	Grade2	Grade3	Grade4	Avg.
Kathryn Morris	193038393	93.2	94.3	89.0	96.5	93.3
John Finn	394720953	89.5	92.7	77.8	96.5	89.1
Jeremy Ratchford	252648093	75.6	88.5	67.0	98.3	82.4

Instructor/TA signoff: _____