

COP3330C Module 11 Graded Programming Assignment

In this assignment we will modify the Module 10 solution to include the ability to persist our contact data and log events in our application.

Using the Module 11 practice exercise as a reference, use the Java I/O APIs to serialize and save your contacts to a binary file as objects (or as the contents of a container object) and restore them when the application restarts. Use I/O and NIO.2 APIs to create an event logging mechanism and log reminders as they are sent. Remember to keep the log information brief and concise. Include a timestamp (resolved to the millisecond) for each log entry.

In the main application method, adjust your test data generation so that contacts are only created when necessary (e.g. before the data file is initially created); in subsequent executions read the data in from the file.