

BITS, Pilani – KK Birla Goa Campus
Department of CS&IS

CS/IS F213 Object Oriented Programming
CS/IS C313 Object Oriented Programming and Design

Lab-10

Dt.04.11.2014

The pre-lab work for the lab is as follows.

Learn about the following Java classes

File, RandomAccessFile, FileChannel, ScatteringByteChannel, GatheringByteChannel, FileLock, FileChannel.map(), MappedByteBuffer, Pipe
FileReader, FileWriter, FilterReader, FilterWriter, PipedReader, PipedWriter **(for post-lab)**
(Some of these classes are explained in **Ch 10: The I/O Package** from *The Java Programming Language*, Ken Arnold, James Gosling and David Holmes, 4th Edition / 3rd Edition.)

References

Java NIO Tutorials

<http://www.ibm.com/developerworks/java/tutorials/j-nio/j-nio.html> (don't bother with networking part)
<http://tutorials.jenkov.com/java-nio/index.html>
<http://www.javaworld.com/article/2078654/java-se/five-ways-to-maximize-java-nio-and-nio-2.html>

File Locks

<http://examples.javacodegeeks.com/core-java/nio/filelock/create-file-lock-on-file/>
<http://www.programcreek.com/java-api-examples/index.php?api=java.nio.channels.FileLock>

Java Documentation

<http://docs.oracle.com/javase/7/docs/api/java/nio/channels/package-summary.html>
<http://docs.oracle.com/javase/7/docs/api/java/nio/package-summary.html>
<http://docs.oracle.com/javase/8/docs/technotes/guides/io/example/>