

## MODULE 1: INTRODUCTION TO PROGRAMMING

### File I/O - Writing Files



# Write out a directory listing

```
// Get the directories currently on the C drive.
String[] pathNames;
File f = new File("c:\\");
pathNames = f.list();
// Write each directory name to a file.
File outputFile = new File(".", "CDriveDirs.txt");
outputFile.createNewFile(); // Checked exception

try (PrintWriter writer = new PrintWriter(outputFile)) {
    for (String dir : pathNames) {
        writer.println(dir);
    }
}
```

# Buffers

- Write to disk as little as possible (it is expensive)
- Buffers are like buckets: They hold data until they are filled, then are emptied and filled again
- Data is held in a buffer in memory until the buffer is full or the buffer is flushed.



# LET'S CODE!



WHAT QUESTIONS DO  
YOU HAVE?



Reading for tonight:  
**EVERYTHING!**

