**Example code to save to a file**

To save a file, you need to get the path to the storage you want to use which is used the same way regardless of the type of storage used since all the methods returns a *java.io.File* object representing the directory to use. Here is an example of using the external storage to save a text file from an *Activity* :

try {

// Creates a file in the primary external storage space of the

// current application.

// If the file does not exists, it is created.

File testFile = new File(this.getExternalFilesDir(null), "TestFile.txt");

if (!testFile.exists())

testFile.createNewFile();

// Adds a line to the file

BufferedWriter writer = new BufferedWriter(new FileWriter(testFile, true /\*append\*/));

writer.write("This is a test file.");

writer.close();

// Refresh the data so it can seen when the device is plugged in a

// computer. You may have to unplug and replug the device to see the

// latest changes. This is not necessary if the user should not modify

// the files.

MediaScannerConnection.scanFile(this,

new String[]{testFile.toString()},

null,

null);

} catch (IOException e) {

Log.e("ReadWriteFile", "Unable to write to the TestFile.txt file.");

}

And here is an example of how to read from the file you just wrote :

String textFromFile = "";

// Gets the file from the primary external storage space of the

// current application.

File testFile = new File(this.getExternalFilesDir(null), "TestFile.txt");

if (testFile != null) {

StringBuilder stringBuilder = new StringBuilder();

// Reads the data from the file

BufferedReader reader = null;

try {

reader = new BufferedReader(new FileReader(testFile));

String line;

while ((line = reader.readLine()) != null) {

textFromFile += line.toString();

textFromFile += "\n";

}

reader.close();

} catch (Exception e) {

Log.e("ReadWriteFile", "Unable to read the TestFile.txt file.");

}

}

A runnable code example for all the snippets is available on my GitHub at <https://github.com/CindyPotvin/androidreadwritefile>.