

Read a file of geocache data that looks as follows. Each line represents one hidden treasure. There are five fields on each line, these are Degrees Latitude, Minutes Latitude, Degrees Longitude, Minutes Longitude, and Name.

```
31 36.173 97 18.219 The Polar Treasure
31 31.632 97 12.929 The Land of Terror
31 33.206 97 15.918 Quest of the Spider
31 36.354 97 17.528 It was an Accident! Honest!
31 36.504 97 14.360 The Lost Oasis
```

Read each line and convert Latitude and Longitude into a single number. (Divide minutes by 60 and add to degrees). Write out the Latitude and Longitude as doubles *without conversion!* After the Longitude, write out the length of the name as a 32 bit integer *without conversion.* Write out the name after the length. Do not write the terminating NULL character.

After closing your file, call a function named “void DumpFile(void)” to print out the contents of your binary file.

The function DumpFile must be in a separate file named AdvIODump.cpp. The main program must be in a file named AdvIO.cpp.

The DumpFile function must do the following:

Read each entry, consisting of Latitude, Longitude and Name and print them on one line like this:

```
31.60288333,97.30365: The Polar Treasure
31.5272,97.21548333: The Land of Terror
```

Use precision 10 for the floating point numbers.

You must use the “write” function to write your file and the “read” function to read your file.