To do:

Create.c

Program to create files and directories

create -f filepath c

create -d dirpath

create -h oldname linkname

create -s oldname linkname

Fileconverter.c

Generation of text files from the binary file provided

Takes in binary file

Puts out into text file

Take a group of characters and seperates them

converts that into characters

reads into the file is done

stores that into a text file

Indexer:

Description: Parse a set of files

create an inverted index, which maps each airport code found in the files to the subset of files that contain that code.

Maintain the frequency with which each airport code appears in **each** file

Input format:

/$ indexer [inverted-index file name] directory

Inverted-index file name - A file that is created to hold the inverted index

Directory - name of directory that contains files indexer should index

Case where directory is only argument - create a default index file invind.txt

Create a data structure to hold the mappings of the airport code to list of files

The mapping should be ascending sorted based on the ascii coding of char

The records should be descendingly sorted based on frequency counts

Srchindx:

(Indexer needs to work in order to fully test srchinx)

Description: perform a search over a file or a directory using inverted index file

Given file name , program should search for terms in the filename only

Given a directory, prigram should search for term in all files in the directories(and subdirectories) recursively.

Input format:

/$ srchindx flag terms [inverted-index file name] [path]

Flag: -o should search for records with origin airport code

-d should search for records with destination airport code

Terms: Should be airport codes. Can be multiple and seperated by semicolon‘;’

Inverted: index file name - file created by the indexer

Path: is the filename to a file or directory