README:

Summary:

Objective is to build a program called ``arrange'' that takes in a file called inputfile and arranges it based on the 4-byte key in increasing order (the remainder of the record should of course be kept with the same key). Analysis of the algorithm used for sorting is in report.pdf.

Dependencies:

You will need a binary file labeled inputfile with 100 records, where each record is divided up into two segments. The first segment is the key which is the first 4 bytes of the record. The second segment is the data tied to that key which is 96 bytes.

Instructions:

1. Use command: gcc -o arrange main.c

2. Use command: ./arrange -i inputfile, where inputfile is the binary file you wish to have sorted

3. This program will take the binary file called inputfile and sort the keys associated with their respective records and then write the result to a text file called outputfile.txt with a readable format.

4. Check for the outputfile.txt file in the arrange folder to view results.