/\*

\* convert.c : take a file in the form

\* word1

\* multiline definition of word1

\* stretching over several lines,

\* followed by a blank line

\* word2....etc

\* convert into a file of fixed-length records

\*/

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#include <errno.h>

#include "dict.h"

#define BIGLINE 512

int main(int argc, char \*\*argv) {

FILE \*in;

FILE \*out; /\* defaults \*/

char line[BIGLINE];

static Dictrec dr, blank;

/\* If args are supplied, argv[1] is for input, argv[2] for output \*/

if (argc==3) {

if ((in =fopen(argv[1],"r")) == NULL){DIE(argv[1]);}

if ((out =fopen(argv[2],"w")) == NULL){DIE(argv[2]);}

}

else{

printf("Usage: convert [input file] [output file].\n");

return -1;

}

/\* Main reading loop : read word first, then definition into dr \*/

/\* Loop through the whole file. \*/

while (!feof(in)) {

/\* Create and fill in a new blank record.

\* First get a word and put it in the word field, then get the definition

\* and put it in the text field at the right offset. Pad the unused chars

\* in both fields with nulls.

\*/

//memset(line,'\0',TEXT);

memset(dr.word,'\0',TEXT); //strcpy的話還是要加

memset(dr.text,'\0',TEXT); //strcat的話要加,清空用

fgets(line,WORD,in);

line[strlen(line)-1] = '\0'; //if((line[strlen(line)-1])=='\n') line[strlen(line)-1] = '\0';

/\* Read word and put in record. Truncate at the end of the "word" field.

\*

\* Fill in code. \*/

strcpy(dr.word,line);

/\* Read definition, line by line, and put in record.

\*

\* Fill in code. \*/

while(line[0]!='\0'){

fgets(line,TEXT,in);

line[strlen(line)-1] = '\0'; //or if((line[strlen(line)-1])=='\n') line[strlen(line)-1] = '\0';

strcat(dr.text,line);

}

if(feof(in))break;

/\* Write record out to file.

\*

\* Fill in code. \*/

fwrite(&dr,sizeof(Dictrec),1,out);

}

fclose(in);

fclose(out);

return 0;

}