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#include <stdio.h>

#include <string.h>

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

char carName[15];

int year;

double price;

FILE \*inFile, \*outFile;

inFile = fopen(argv[1], "r");

if(inFile == NULL){

printf("Error occured while reading from the file!");

exit(1);

}

int counter = 0;

printf("Available cars are as follows:\n\n");

while(fscanf(inFile,"%s %d %lf", carName, &year, &price) != EOF){

printf("Car %d: %s %d %.0lf\n", counter+1, carName, year, price);

counter++;

}

int firstFav, secFav, i;

printf("\nChoose your first favorite car: ");

scanf("%d",&firstFav);

printf("Choose your second favorite car: ");

scanf("%d",&secFav);

outFile = fopen("FavoriteCars.txt","w");

if (outFile == NULL){

printf("Error occured while writing to the file!");

exit(1);

}

rewind(inFile); // make cursor position to start of the file

for(i=0; i<(firstFav-1); i++){ // if firstFav = n, jump n-1 times lines from the file

while(fgetc(inFile)!= '\n');

}

fscanf(inFile,"%s %d %lf", carName, &year, &price);

fprintf(outFile,"%s %d %.0lf\n", carName, year, price);

rewind(inFile); // make cursor position to start of the file

for(i=0; i<(secFav-1); i++){ // if secFav = n, jump n-1 times lines from the file

while(fgetc(inFile)!= '\n');

}

fscanf(inFile,"%s %d %lf", carName, &year, &price);

fprintf(outFile,"%s %d %.0lf\n", carName, year, price);

printf("\nYour favorite cars are added to FavoriteCars.txt!\n");

fclose(inFile);

fclose(outFile);

return 0;

}