#include <stdio.h>

#include <stdlib.h>

struct file {

char name[50];

int size;

};

void addFile(struct file \*files, int \*count) {

printf("Enter file name: ");

scanf("%s", files[\*count].name);

printf("Enter file size (in KB): ");

scanf("%d", &files[\*count].size);

(\*count)++;

printf("File added successfully!\n");

}

void modifyFile(struct file \*files, int count) {

if (count == 0) {

printf("No files found!\n");

return;

}

char filename[50];

printf("Enter the name of the file to modify: ");

scanf("%s", filename);

for (int i = 0; i < count; i++) {

if (strcmp(files[i].name, filename) == 0) {

printf("Enter new file size (in KB): ");

scanf("%d", &files[i].size);

printf("File modified successfully!\n");

return;

}

}

printf("File not found!\n");

}

void deleteFile(struct file \*files, int \*count) {

if (\*count == 0) {

printf("No files found!\n");

return;

}

char filename[50];

printf("Enter the name of the file to delete: ");

scanf("%s", filename);

for (int i = 0; i < \*count; i++) {

if (strcmp(files[i].name, filename) == 0) {

for (int j = i; j < (\*count) - 1; j++) {

strcpy(files[j].name, files[j + 1].name);

files[j].size = files[j + 1].size;

}

(\*count)--;

printf("File deleted successfully!\n");

return;

}

}

printf("File not found!\n");

}

void displayFiles(struct file \*files, int count) {

if (count == 0) {

printf("No files found!\n");

} else {

printf("File List:\n");

printf("----------------------------------------------------\n");

printf("Name\t\tSize (KB)\n");

printf("----------------------------------------------------\n");

for (int i = 0; i < count; i++) {

printf("%s\t\t%d\n", files[i].name, files[i].size);

}

printf("----------------------------------------------------\n");

}

}

int main() {

struct file files[100];

int count = 0;

int choice;

while (1) {

printf("\nFile Management System\n");

printf("1. Add File\n");

printf("2. Modify File\n");

printf("3. Delete File\n");

printf("4. Display Files\n");

printf("5. Exit\n");

printf("Enter your choice: ");

scanf("%d", &choice);

switch (choice) {

case 1:

addFile(files, &count);

break;

case 2:

modifyFile(files, count);

break;

case 3:

deleteFile(files, &count);

break;

case 4:

displayFiles(files, count);

break;

case 5:

printf("Exiting File Management System.\n");

exit(0);

default:

printf("Invalid choice! Please try again.\n");

}

}

return 0;

}