#include <stdio.h>

#include <stdlib.h>

#include <string.h>

void createFile();

void writeFile();

void readFile();

void deleteFile();

int main() {

int choice;

do {

printf("\n--- File Operations Menu ---\n");

printf("1. Create a new file\n");

printf("2. Write to a file\n");

printf("3. Read from a file\n");

printf("4. Delete a file\n");

printf("5. Exit\n");

printf("Enter your choice: ");

scanf("%d", &choice);

getchar();

switch (choice) {

case 1:

createFile();

break;

case 2:

writeFile();

break;

case 3:

readFile();

break;

case 4:

deleteFile();

break;

case 5:

printf("Exiting program...\n");

break;

default:

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

}

} while (choice != 5);

return 0;

}

void createFile() {

char filename[100];

printf("Enter filename to create: ");

fgets(filename, sizeof(filename), stdin);

filename[strcspn(filename, "\n")] = '\0';

FILE \*file = fopen(filename, "w");

if (file == NULL) {

perror("Error creating file");

} else {

printf("File '%s' created successfully.\n", filename);

fclose(file);

}

}

void writeFile() {

char filename[100];

char text[1000];

printf("Enter filename to write to: ");

fgets(filename, sizeof(filename), stdin);

filename[strcspn(filename, "\n")] = '\0';

FILE \*file = fopen(filename, "a");

if (file == NULL) {

perror("Error opening file for writing");

} else {

printf("Enter text to write: ");

fgets(text, sizeof(text), stdin);

fprintf(file, "%s", text);

printf("Data written to '%s' successfully.\n", filename);

fclose(file);

}

}

void readFile() {

char filename[100];

char ch;

printf("Enter filename to read from: ");

fgets(filename, sizeof(filename), stdin);

filename[strcspn(filename, "\n")] = '\0';

FILE \*file = fopen(filename, "r");

if (file == NULL) {

perror("Error opening file for reading");

} else {

printf("Contents of '%s':\n", filename);

while ((ch = fgetc(file)) != EOF) {

putchar(ch);

}

fclose(file);

}

}

void deleteFile() {

char filename[100];

printf("Enter filename to delete: ");

fgets(filename, sizeof(filename), stdin);

filename[strcspn(filename, "\n")] = '\0';

if (remove(filename) == 0) {

printf("File '%s' deleted successfully.\n", filename);

} else {

perror("Error deleting file");

}

}