**26Construct a C program to implement the file management operations.**

#include <stdio.h>

#include <stdlib.h>

#include <string.h>

void createFile(const char \*filename) {

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

if (file == NULL) {

perror("Error creating file");

return;

}

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

fclose(file);

}

void writeFile(const char \*filename) {

FILE \*file = fopen(filename, "a"); // Open in append mode

if (file == NULL) {

perror("Error opening file for writing");

return;

}

char data[256];

printf("Enter data to write to the file: ");

getchar(); // To consume newline left in input buffer

fgets(data, sizeof(data), stdin);

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

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

fclose(file);

}

void readFile(const char \*filename) {

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

if (file == NULL) {

perror("Error opening file for reading");

return;

}

char ch;

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

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

putchar(ch);

}

fclose(file);

}

void deleteFile(const char \*filename) {

if (remove(filename) == 0) {

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

} else {

perror("Error deleting file");

}

}

int main() {

int choice;

char filename[100];

while (1) {

printf("\nFile Management Operations:\n");

printf("1. Create a File\n");

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

printf("3. Read a File\n");

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

printf("5. Exit\n");

printf("Enter your choice: ");

scanf("%d", &choice);

switch (choice) {

case 1:

printf("Enter the filename to create: ");

scanf("%s", filename);

createFile(filename);

break;

case 2:

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

scanf("%s", filename);

writeFile(filename);

break;

case 3:

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

scanf("%s", filename);

readFile(filename);

break;

case 4:

printf("Enter the filename to delete: ");

scanf("%s", filename);

deleteFile(filename);

break;

case 5:

printf("Exiting program.\n");

exit(0);

default:

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

}

}

return 0;

}

**Output:**

File Management Operations:

1. Create a File

2. Write to a File

3. Read a File

4. Delete a File

5. Exit

Enter your choice: 1

Enter the filename to create: example.txt

File 'example.txt' created successfully.