# C Program Demonstrating File Operations

```c
#include <stdio.h>

#include <stdlib.h>



void createAndWriteFile(const char *filename) {

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

    if (file == NULL) {

        perror("Error creating file");

        exit(1);

    }

    fprintf(file, "This is the initial content written to the file.\n");

    fclose(file);

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

}



void readFile(const char *filename) {

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

    if (file == NULL) {

        perror("Error reading file");

        exit(1);

    }

    char buffer[256];

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

    while (fgets(buffer, sizeof(buffer), file)) {

        printf("%s", buffer);
```

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    }

    fclose(file);

}


void appendToFile(const char *filename) {

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

    if (file == NULL) {

        perror("Error opening file for appending");

        exit(1);

    }

    fprintf(file, "This line is appended to the file.\n");

    fclose(file);

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

}


int main() {

    const char *filename = "example.txt";


    // Create and write to file

    createAndWriteFile(filename);


    // Read the file

    readFile(filename);


    // Append data to file

    appendToFile(filename);
```

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    // Read the file again to show appended content

    readFile(filename);


    return 0;

}
```