#include <stdio.h>

#include <fcntl.h>

#include <unistd.h>

int main() {

char source\_file[256], dest\_file[256];

int source, dest;

char buffer[1024];

ssize\_t bytesRead, bytesWritten;

// Take input from the user

printf("Enter the source file name: ");

scanf("%s", source\_file);

printf("Enter the destination file name: ");

scanf("%s", dest\_file);

// Open the source file for reading

source = open(source\_file, O\_RDONLY);

if (source < 0) {

perror("Error opening source file");

return 1;

}

// Open/create the destination file for writing

dest = open(dest\_file, O\_WRONLY | O\_CREAT | O\_TRUNC, 0644);

if (dest < 0) {

perror("Error opening destination file");

close(source);

return 1;

}

// Read and write the data

while ((bytesRead = read(source, buffer, sizeof(buffer))) > 0) {

bytesWritten = write(dest, buffer, bytesRead);

if (bytesWritten != bytesRead) {

perror("Error writing to destination file");

close(source);

close(dest);

return 1;

}

}

// Close both files

close(source);

close(dest);

printf("File copied successfully.\n");

return 0;

}

