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#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <fcntl.h>


#define BUF_SIZE 4096


int main(int argc, char *argv[]) {

    if (argc != 3) {

        fprintf(stderr, "Usage: %s <sourcefile> <destinationfile>\n", argv[0]);

        exit(EXIT_FAILURE);

    }


    int source_fd, dest_fd;

    ssize_t bytes_read, bytes_written;

    char buffer[BUF_SIZE];


    source_fd = open(argv[1], O_RDONLY);

    if (source_fd == -1) {

        perror("open source file");

        exit(EXIT_FAILURE);

    }


    dest_fd = open(argv[2], O_WRONLY | O_CREAT | O_TRUNC, 0666);

    if (dest_fd == -1) {

        perror("open destination file");

        close(source_fd);

        exit(EXIT_FAILURE);

    }


    while ((bytes_read = read(source_fd, buffer, BUF_SIZE)) > 0) {
```

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bytes_written = write(dest_fd, buffer, bytes_read);
if (bytes_written != bytes_read) {
    perror("write error");
    close(source_fd);
    close(dest_fd);
    exit(EXIT_FAILURE);
}

if (bytes_read == -1) {
    perror("read error");
    close(source_fd);
    close(dest_fd);
    exit(EXIT_FAILURE);
}

close(source_fd);
close(dest_fd);

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

return 0;
}
```

