Copy Contents of One File to Another Using System Calls

#include <fcntl.h>

#include <unistd.h>

#include <stdio.h>

int main() {

int src, dest;

char buffer[1024];

ssize\_t bytes;

// Open source file  
src = open("source.txt", O\_RDONLY);  
if (src < 0) {  
 perror("Error opening source file");  
 return 1;  
}  
  
// Open or create destination file  
dest = open("dest.txt", O\_WRONLY | O\_CREAT | O\_TRUNC, 0644);  
if (dest < 0) {  
 perror("Error opening destination file");  
 close(src);  
 return 1;  
}  
  
// Read from source and write to destination  
while ((bytes = read(src, buffer, sizeof(buffer))) > 0) {  
 write(dest, buffer, bytes);  
}  
  
// Close files  
close(src);  
close(dest);  
  
printf("File copied successfully.\n");  
return 0;

}