#include <stdio.h>

#include <stdlib.h>

#include <fcntl.h>

#include <unistd.h>

#include <sys/types.h>

#include <sys/stat.h>

#include <string.h> // For strlen()

int main() {

int fd;

char \*filename = "example.txt";

char \*text = "Hello, UNIX System Calls!\n";

fd = open(filename, O\_CREAT | O\_WRONLY | O\_TRUNC, S\_IRUSR | S\_IWUSR);

if (fd == -1) {

perror("Error creating file");

exit(EXIT\_FAILURE);

}

if (write(fd, text, strlen(text)) == -1) {

perror("Error writing to file");

close(fd);

exit(EXIT\_FAILURE);

}

close(fd);

fd = open(filename, O\_RDONLY);

if (fd == -1) {

perror("Error opening file");

exit(EXIT\_FAILURE);

}

char buffer[100];

ssize\_t bytesRead = read(fd, buffer, sizeof(buffer) - 1);

if (bytesRead == -1) {

perror("Error reading from file");

close(fd);

exit(EXIT\_FAILURE);

}

buffer[bytesRead] = '\0';

printf("Read from file: %s", buffer); // Output the contents

close(fd);

if (remove(filename) == -1) {

perror("Error deleting file");

exit(EXIT\_FAILURE);

}

return 0;

}

