

```
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <fcntl.h>
#include <sys/stat.h>
#include <string.h>

int main() {
    char *fifo = "myfifo";
    char buffer[100];

    // Create named pipe (FIFO)
    mkfifo(fifo, 0666);

    pid_t pid = fork();

    if (pid < 0) {
        printf("Fork failed!\n");
        return 1;
    }

    // ----- WRITER PROCESS -----
    if (pid == 0) {
        int fd;
        char message[100];

        while (1) {
            fd = open(fifo, O_WRONLY);

            printf("\nWriter: Enter message (type 'exit' to stop): ");
            fgets(message, sizeof(message), stdin);

            write(fd, message, strlen(message) + 1);
            close(fd);

            if (strncmp(message, "exit", 4) == 0) {
                break;
            }
        }
    }

    // ----- READER PROCESS -----
    else {
        int fd;

        while (1) {
            fd = open(fifo, O_RDONLY);
            read(fd, buffer, sizeof(buffer));
            close(fd);

            if (strncmp(buffer, "exit", 4) == 0) {
                printf("\nReader: Exit message received. Stopping...\n");
                break;
            }

            printf("Reader received: %s", buffer);
        }
    }

    unlink(fifo); // Remove FIFO after use
    return 0;
}
```