4) #include <stdio.h>

#include <stdlib.h>

#include <fcntl.h>

#include <sys/types.h>

#include <sys/stat.h>

#include <unistd.h>

#define FIFO\_FILE "myfifo"

int main() {

// Create a FIFO (named pipe)

mkfifo(FIFO\_FILE, S\_IRUSR | S\_IWUSR);

// Writer Process

if (fork() == 0) {

int fd = open(FIFO\_FILE, O\_WRONLY);

if (fd == -1) {

perror("open");

exit(EXIT\_FAILURE);

}

// Write data to the FIFO

char message[] = "Hello from the writer process!";

write(fd, message, sizeof(message));

// Close the file descriptor

close(fd);

exit(EXIT\_SUCCESS);

}

// Reader Process

else {

int fd = open(FIFO\_FILE, O\_RDONLY);

if (fd == -1) {

perror("open");

exit(EXIT\_FAILURE);

}

// Read data from the FIFO

char buffer[100];

read(fd, buffer, sizeof(buffer));

printf("Reader Process: Received message - %s\n", buffer);

// Close the file descriptor

close(fd);

// Remove the FIFO

unlink(FIFO\_FILE);

exit(EXIT\_SUCCESS);

}

return 0;

}