#include <stdio.h>

#include <unistd.h>

int main() {

int pipefds[2];

int returnStatus;

int pid;

char writeMssges[2][20] = {"Hi", "Hello"};

char readMssge[20];

returnStatus = pipe(pipefds);

if (returnStatus == -1) {

printf("Unable to create pipe\n");

return 1;

}

pid = fork();

if (pid == 0) {

read(pipefds[0], readMssge, sizeof(readMssge));

printf("Child process - reading from pipe - Message 1 is %s\n", readMssge);

read(pipefds[0], readMssge, sizeof(readMssge));

printf("Child process - reading from pipe - Message 2 is %s\n", readMssge);

}

else {

printf("Parent process - writing to pipe - Message 1 is %s\n", writeMssges[0]);

write(pipefds[1], writeMssges[0], sizeof(writeMssges[0]));

printf("Parent process - writing to pipe - Message 2 is %s\n", writeMssges[1]);

write(pipefds[1], writeMssges[1], sizeof(writeMssges[1]));

}

return 0;

}