

```
#include <stdio.h>

#include <unistd.h>

#include <sys/types.h>

int main(void)
{
    int  fd[2], nbytes;
    pid_t  childpid;
    char  string[] = "Hello, world!\n";
    char  readbuffer[80];

    pipe(fd);

    if((childpid = fork()) == -1)
    {
        perror("fork");
        exit(1);
    }

    if(childpid == 0)
    {
        /* Child process closes up input side of pipe */
        close(fd[0]);

        /* Send "string" through the output side of pipe */
        write(fd[1], string, (strlen(string)+1));
        close(fd[1]);
        exit(0);
    }
```

```
else
{
    /* Parent process closes up output side of pipe */
    close(fd[1]);

    /* Read in a string from the pipe */
    nbytes = read(fd[0], readbuffer, sizeof(readbuffer));
    printf("Received string: %s", readbuffer);
    close(fd[0]);
}

return(0);
}
```