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// Illustration of popen()
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// Interprocess communication in Linux

#include <stdio.h>

int main(void)
{
    FILE *pipein_fp, *pipeout_fp;
    char readbuf[80];

    if (( pipein_fp = popen("ls", "r")) == NULL)
    {
        perror("Error in popen...");
        exit(1);
    }

    if (( pipeout_fp = popen("wc","w")) == NULL)
    {
        perror("Error in popen");
        exit(1);
    }

    while(fgets(readbuf, 80, pipein_fp))
        fputs(readbuf, pipeout_fp);

    /* Close the pipes */
    pclose(pipein_fp);
    pclose(pipeout_fp);

    return(0);
}
```