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/* pipes.c
** -- using POSIX pipes
** cs180 1/08
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <unistd.h>
#include <sys/wait.h>
int main(void)
        int pid;
        char buffer[1024];
        int descriptor[2];
        /* descriptor[0] - for reading
        ** descriptor[1] - for writing
        */
        // pipe() is a system call returns 2 file descriptors
        pipe(descriptor);
        pid = fork();
        if (pid == 0) {
                 /*Child's code */
                 close(0);
                 dup(descriptor[0]);
                 close(descriptor[1]);
                 close(descriptor[0]);
                 execlp("wc", "wc", "-1", NULL);
        }
        else {
                /* Parent's code*/
                close(1);
                dup(descriptor[1]);
                close(descriptor[1]);
                close(descriptor[0]);
                execlp("grep", "grep", "int", "simple-pipe.c", NULL);
        }
        return 0;
}
```