

## PROGRAM 20

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#include<sys/types.h>

#include<unistd.h>
#include<fcntl.h>
#include<sys/stat.h>
#include<string.h>
#include<errno.h>
#include<stdio.h>
int main(int argc, char* argv[])
{
    int fd;
    char buf[256];
    if(argc != 2 && argc != 3)
    {
        printf("USAGE %s <file> [<arg>]\n",argv[0]);
        return 0;
    }
    mkfifo(argv[1],S_IFIFO | S_IRWXU | S_IRWXG | S_IRWXO );
    if(argc == 2) //reader process
    {
        fd = open(argv[1], O_RDONLY|O_NONBLOCK);
        while(read(fd, buf, sizeof(buf)) > 0)
            printf("%s",buf);
    }
    else
    {
        fd = open(argv[1], O_WRONLY);
        write(fd,argv[2],strlen(argv[2]));
    }
    close(fd);
}
```