

# 文件IO编程实例

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```
#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <fcntl.h>

#include <string.h>

int main()

{

    int fd = 0;

    //Â·¾¶ÖÐµÄÄ¸Ä¼Èð²»´æÔÚ½«µ¼ÖÂÄ¼p´´½¨Ê§°Ü

    char filename[20] = "/home/itheima/a.txt";

    //´ò¸ÄÄ¼p

    fd = open(filename, O_RDWR | O_EXCL | O_TRUNC, S_IRWXG);

    if (fd == -1){        //Â¶¶¼Ä¼pÊÇ·ñ³É¹´´ò¸ª

        perror("file open error.\n");

        exit(-1);

    }

    //Ð´Êý¾Ý

    int len = 0;

    char buf[100] = { 0 };

    scanf("%s", buf);

    len = strlen(buf);

    write(fd, buf, len);

    close(fd);                //¹Ø±ÕÄ¼p

    printf("-----\n");

    //¶ÁÈ¸Ä¼p

    fd = open(filename, O_RDONLY);        //ÔÚ¹´´ò¸ªÄ¼p

    if (fd == -1){

        perror("file open error.\n");

        exit(-1);

    }

    off_t f_size = 0;
```

```
f_size = lseek(fd, 0, SEEK_END);           //»ñÈĭÎÄ¼p³¤¶È
lseek(fd, 0, SEEK_SET);                     //ÉèÖÃÎÄ¼p¶ÁÐ´Î»ÖÃ
while (lseek(fd, 0, SEEK_CUR) != f_size)    //¶ÁÈĭÎÄ¼p
{
    read(fd, buf, 1024);
    printf("%s\n", buf);
}
close(fd);
return 0;
}
```