


[Home](#) [About Us](#) [Contact Us](#) [Share Your Project](#)
[ANDROID](#)
[C](#)
[C++](#)
[LINUX](#)
[sample programme](#)
[Tips](#)
[projects](#)
[sample programme](#)
[Tips](#)
[tutorials](#)
[projects](#)
[sample programme](#)
[tips](#)
[MATLAB](#)
[Projects](#)
[PHP & JSP FRAMEWORKS](#)
[Tips](#)
[wordpress](#)
[Tips](#)
[黄飞红麻辣花生](#)
[乐事 经典原味](#)
[Ads by Google](#)
[1 Language](#)
[3D Convert](#)
[About Language](#)

JAN

30

1

Convert file descriptor to file pointer | Convert file pointer to file descriptor in Linux by C programming

 JIGAR PATEL [c, linux, Tips, tips](#) [fdopen\(\), fileno\(\)](#)

Embedded Server

www.sovio.com/

Vision Box, Core Duo 1.66 GHz, with Xpe License. Call us now!



AdChoices



If you all ready know the difference between file descriptor and file pointer then good otherwise please read this post

Whats is difference between file descriptor and file pointer?

File descriptor to file pointer :

for converting file descriptor to file pointer in linux **fdopen()** function is used

```
#include <stdio.h>
FILE *fdopen(int filides, const char *mode);
```

filides is file descriptor

mode is the character value which indicate the mode of file operation (same as we use in fopen() function)

Example :

```
#include <stdio.h>
#include <fcntl.h>

int main(){
    int fd;
    FILE *fp;
    fd = open("shareprogrammingtips.txt", O_WRONLY | O_CREAT | O_TRUNC);
    if (fd < 0)
    {
        printf("open call fail");
        return -1;
    }

    fp = fdopen(fd, "w");
    fprintf(fp, "we got file pointer fp bu using File descriptor fd");
    fclose(fp);
    close(fd);
    return 0;
}
```

File pointer to file descriptor:

for converting file pointer to file descriptor in linux **fdopen()** function is used



FOLLOW US ON TWITTER!

SEARCH IN THIS WEBSITE

OUR SPONSORS

Flowcharts from C/C++

www.sgvsarc.com
Understand code in less time
code-formatting, cross-reference



Learn C Programming

www.e-learningcenter.com
Basic-Advanced Programming
Courses Easily Learn to
Program in C -Fast!



Forcheck

www.forcheck.nl
The ultimate Fortran analyser
Can you afford not to use
Forcheck?



LATEST COMMENTS

Shah Dhaval on How to detect memory leakage in C program?

ruunyytikil on how can I write applications in C or C++ for Android?

anonym on How to convert SQL to Excel in Php?

Academic Projects and Tech interview on C programming interview questions and answers for freshers

Motasim billah on List of all standard version of c language

FIND US ON FACEBOOK

连接超时

位于 www.facebook.com 的服务器响应时间过长。

- 此站点暂时不可用或者太忙。请稍后重试。
- 如果您无法载入任何页面，请检查您计算机的网络连接。
- 如果您的计算机受到防火墙或代理服务器的保护，请确认 Firefox 被授权访问网页。

重试

TOP AUTHORS


JIGAR PATEL

35 posts


saurabh

21 posts


Arpi

10 posts

```
#include <stdio.h>

int fileno(FILE *stream);
```

stream is file pointer

Example:

```
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>

int main(){
    int fd;
    FILE *fp;
    int size;
    char *buffer;
    fp = fopen("shareprogrammingtips.txt","r");
    if(fp==NULL)
    {
        printf("open call fail");
        return -1;
    }
    /* Logic for calculating size of file*/
    fseek(fp,0,SEEK_END);
    size = ftell(fp);
    fseek(fp,0,0);

    if((buffer=malloc(size)) == NULL)
    {
        printf("Malloc fail");
        return -1;
    }

    fd=fileno(fp);
    read(fd, (void*)buffer, size);
    printf("size is %d Buffer is %s ",size,buffer);
    fclose(fp);
    close(fd);
    return 0;
}
```

0

Share



JIGAR PATEL

hey I am an Artist who love to write code...! Well I am an EC graduate From Ganpat University and now i am working as Embedded software engineer in one private firm.. find me at here [JigAr Patel](#)

[More Posts](#) – [Website](#) – [Twitter](#) – [Facebook](#)

You may like to read this also....

[How To Root Your HTC Incredible S](#)

The HTC Incredible S is a beast, but it's more like one that's chained and caged. To r...

[Backend Service Provider StackMob Comes To Android](#)

StackMob, the backend service provider for mobile developers, has big news today: it's now available...

[Most common directory layout seen in all C/C++ based Project/Package/Library](#)

I have been with lots of projects package or library written in C or C++ programming language has On...

[Top Selling Best Android phones in India.](#)

1) Samsung Galaxy S II (I9100) Specifi...

[Whether should i use processes or threads in Linux?](#)

While designing any system usually we might confuse between thread and process usage . We think ...

If you enjoyed this article please consider [sharing it!](#)

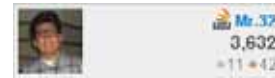


1 Comment to "Convert file descriptor to file pointer | Convert file pointer to file descriptor in Linux by C programming"

[Whats is difference between file descriptor and file pointer, file descriptor and file pointer, Share Programming Tips](#) January 30, 2012 at 5:12 pm

[...] Convert file descriptor to file pointer | Convert file pointer to file descriptor in Linux by C prog... JIGAR PATELhey I am an Artist who love to write code...! Well I am an EC graduate From Ganpat University and now i am working as Embedded software engineer in one private firm.. find me at here [GoogleWebsite](#) – [Twitter](#) – [Facebook](#) – [More Posts](#) You may like to read this also....[Embedded Jobs](#) and

FIND US ON STACKOVERFLOW



POLLS

Tell us who you are

- ☐ Web Developer
- ☐ Web Designer
- ☐ Software engineer
- ☐ Embedded engineer
- ☐ Any other Engineer
- ☐ i am just regular user

Vote

[View Results](#)

[Polls Archive](#)

MY BOOKMARKS

Audio/video Recorder & player application based on MATLAB

check dependency of your binary

definition of all standard c programming language function

Great Question-Answer on c programming

know what your c code means

Limitation of c programming language

List of all version of c programming language

Online c compiler

php freelancing work

some more stuff on C programming language

Volatile Keyword in Embedded System

Write Android application in c language

SPONSERS LINK

Careers | embeddedcareers.comHey friends, after having some experience in embedded field i always get to know about recent trades...Concept of Octal literal in COne day while debugging one code i got one interesting things ..let me explain you by bellow's exa...Full Specifications of Leaked Samsung Galaxy S3Samsung is planning to launch 3D Android smartphones next year. Company is actively working on the n...Implementation limitation of c programming language One day i thought , "What is the maximum number of arguments we can pass to a function in C ?" ...How to set, clear ,toggle and check a single bit in C?As being an embedded software engineer i would really suggest you this tricks. ..! In many applica... If you enjoyed this article please consider sharing it! [...]

[Reply](#)

Post comment

Name (required)

Mail (will not be published) (required)

Website

Comment



CAPTCHA Code

*

Send »

☒ commentluv

© 2011 share programming tips. All Right Reserved.