

分区 Day11 的第 1 页

```
Defined in headqr<stdio.h>
FILE *fopen( const char *filename, const char *mode );
               filename、文件路行
                 mode, 专了开文件28方式.
     一起对路径,从根内及(盘符)开始,一直到立件所在三分定置。"C:/project/test.dat"
文件路径 】和对路径、从多到工作目录开始,一直到立件所在 58位置。"test.dat"
                   -> read 上读 雪水文件事先后在
·wto ·wo white 只写,(不要求文件右在,如果文件存在,写之前公清空质文件的内容)
       "a" -> append 正加(不整花文件存在,如果文件存在,不会清空原文件的内容)
nato
"rtt" "r+" -> 要求设计后在,如果各数据会济空数据。
 "wtt" "wt" -> 又要求文件标准.
                                                                                     7秦宫文本文13
 natt "at" → 元至文件标在,不会济至厚有韵报。
          " r-b"
           a hib
           ~ab"
         "rh+" #" "+ b"
          "Wbt" at" W+6"
         "abt" that b
     Defined in header <stdio.h>
int fclose( FILE *stream );
 如果成功美洲、适图零、否则适回EOF
刘宇沙克和多
     文本文件: fgetc/fputc, fgets/fputs, fsounf/fprintf
      Defined in header <stdio.h>
     int fgetc( FILE *stream ); (1)
    Defined in header <stdio.h>
int fputc( int ch, FILE *stream );
      fgets
        Defined in header <stdio.h>
*str, int count, FILE
                                                                   (until C99)
                                                       *stream );
        char *fgets( char *restrict str, int count, FILE *restrict stream );
      Reads at most count - 1 characters from the given file stream and stores them in the character array pointed to by
      str. Parsing stops if a newline character is found, in which case str will contain that newline character, or if end-of-file occurs. If bytes are read and no errors occur, writes a null character at the position immediately after the last character
       written to str
        str - pointer to an element of a char array
       count - [maximum number of characters to write (typically the length of str)
      stream - file stream to read the data from
        Return value
      str on success, null pointer on failure
      If the end-of-file condition is encountered, sets the eof indicator on stream (see feof()). This is only a failure if it causes
```

# fputs

```
Defined in header <stdio.h>
                                                                    (until C99)
                                 *str. FILE
int fputs( const char
                                                      *stream ):
int fputs( const char *restrict str, FILE *restrict stream );
                                                                   (since C99)
```

Writes every character from the null-terminated string str to the output stream stream, as if by repeatedly executing fputc. 
The terminating null character from str is not written.

### **Parameters**

str - null-terminated character string to be written

stream - output stream

#### Return value

On success, returns a non-negative value

On failure, returns EOF and sets the error indicator (see ferror()) on stream

# 二进制文件的读写

## fread

```
Defined in header <stdio.h>
size_t fread( void FILE
                    *buffer, size_t size_t, size_t count, (until C99)
*stream );
```

Reads up to count objects into the array buffer from the given input stream stream as if by calling fgetc size times for each object, and storing the results, in the order obtained, into the successive positions of buffer, which is reinterpreted as an array of unsigned char. The file position indicator for the stream is advanced by the number of characters read.

If an error occurs, the resulting value of the file position indicator for the stream is indeterminate. If a partial element is read, its value is indeterminate.

#### Parameters

buffer - pointer to the array where the read objects are stored

size - size of each object in bytes

count - the number of the objects to be read

stream - the stream to read

### Return value

Number of objects read successfully, which may be less than count if an error or end-of-file condition occurs.

If size or count is zero, fread returns zero and performs no other action.

fread does not distinguish between end-of-file and error, and callers must use feof and ferror to determine which

## fwrite

```
Defined in header <stdio.h>
size_t fwrite( const void *buffer, size_t size, size_t count, FILE *stream );
(since C99)
```

Writes count of objects from the given array buffer to the output stream stream. The objects are written as if by reinterpreting each object as an array of unsigned char and calling fputc size times for each object to write those unsigned char's into stream, in order. The file position indicator for the stream is advanced by the number of characters written.

If an error occurs, the resulting value of the file position indicator for the stream is indeterminate.

buffer - pointer to the first object in the array to be written

size - size of each object

count - the number of the objects to be written

stream - pointer to the output stream

The number of objects written successfully, which may be less than count if an error occurs.

If size or count is zero, fwrite returns zero and performs no other action.

往到对动10个家村. fseek (stream, -10L, SFEK\_Cur); 表327到文件の末尾. fseek (stream, BL, SEEK\_END); ftell返回当前文件的位置(和对SEEK\_SET而是)

# 错误处理

2022年3月25日 17:52

errno  Defined in header <errno.h>  A 统门制 ( System call )</errno.h>
数值计算、文件读写发生就设,全把erno设置为对意志的值.
,