

The function fread () in C

Function `size_t fread (void * ptr, size_t size, size_t nmemb, FILE * stream)` in standard C Library reads data from the given stream into the pointed array, by `ptr`.

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Declare the function fread () in C

Below is the declaration for the `fread ()` function in C:

```
size_t fread ( void * ptr , size_t size , size_t nmemb , FILE * stream )
```

Parameters

`ptr` - This is a pointer to a memory block with a minimum size of `size * nmemb` bytes.

`size` - This is the size (byte value) of each element to be read.

`nmemb` - This is the number of elements, with each element having the size of byte size.

`stream` - This is the pointer to a FILE object that defines an Input Stream.

Returns the value

The total number of successfully read elements is returned as a `size_t` object, which is an integer data type. If this number is different from the `nmemb` parameter, then an error has occurred or End-Of-File has been encountered.

For example

The following program C illustrates the usage of the `fread ()` function in C:

```
#include #include int main () { FILE * fp ; char c [] = "Hoc C co ban va na"
```

Compile and run the above C program to see the results:

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