

The function mbstowcs () in C

Function `size_t mbstowcs (* pwcs, const char * str, n)` Converts the sequence of multi-byte char points pointed to by the parameter `str` to the array pointed to by `pwcs`.

Function **`size_t mbstowcs (* pwcs, const char * str, n)`** Converts the sequence of multi-byte char points pointed to by the parameter **`str`** to the array pointed to by **`pwcs`** .

Declare the function mbstowcs () in C

Below is the declaration for `mbstowcs ()` in C:

```
size_t mbstowcs ( * pwcs , const char * str , n )
```

Parameters

`pwcs` : This is a pointer to an array of `wchar_t` elements.

`str` : This is a multi-byte char string to be interpreted.

`n` : This is the maximum number of `wchar_t` characters to be interpreted.

Returns the value

This function returns the number of characters interpreted, except for the ending null character. If you encounter an invalid multi-byte char, this function returns -1.

For example

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

```
#include #include #include int main () { int len ; char * pmbnull = NULL ;
```

Compiling and running the above C program will result:

```
Chuyen doi thanh multibyte string
Cac ky tu duoc chuyen doi 1
Gia tri Hex cua multibyte char dau tien la: 0x7d5fb0
Chuyen doi nguoc lai thanh chuoi Wide-Character
Cac ky tu duoc chuyen doi 1
Gia tri Hex cua wide char dau tien la: 0x2f7d30
```

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