

Bytearray () function in Python

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Syntax of bytearray () function:

```
bytearray([source[, encoding[, errors]])
```

The bytearray () function returns a bytearray object which is a variable string (can be modified) of integers in the range $0 \leq x < 256$.

If you want the immutable version use the byte () method.

Parameters of bytearray () function:

Bytearray () function has 3 parameters, all 3 are optional, yes or no.

1. source: Initialize byte array /
2. encoding: If the source is a string, you must add this parameter to convert, decode the string into bytes.
3. errors: If the source is a string, errors will provide action to retrieve when the decoding process fails.

The source parameter can be used to initialize the byte array in the following ways:

Type Description
String Convert string to byte using str.encode (), and must provide both **encoding** and **errors**
then the Integer option Creates an array with the provided size, all initialized to null. Object Read-only buffer of the object to be used to initialize byte arrays
Iterable Create an array of size equivalent to the iterable count and initialize iterable elements. Integers must be between $0 \leq x < 256$

What value does the function bytearray () return?

The bytearray () function returns a byte array with a given size and initial values.

Example of bytearray () function:

```
# Ví dụ 1: source là chuỗi  
string1 = "quantrimang.com."  
  
# encoding là 'utf-8'  
mang1 = bytearray(string1, 'utf-8')
```

```
print(mang1)

# Ví dụ 2: source là s?

string2 = '10'
mang2 = bytearray(string2)
print(mang2)

# Ví dụ 3: source là list

ListSo = [2,4,6,8,10]

mang3 = bytearray(ListSo)
print(mang3)
```

When running the above program, we get the following output:

```
bytearray(b'quantrimang.com. ')
bytearray(b'\x00\x00\x00\x00\x00\x00\x00\x00\x00')
bytearray(b'\x02\x04\x06\x08n')
```

See more:

1. Bool () function in Python
2. Ascii () function in Python
3. Bin () function in Python

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