

Int () function in Python

The int () function in Python returns an integer object from any number or string.

The int () function in Python returns an integer object from any number or string. How is the int () function syntax, what parameters does it have and how is it used? Invites you to read the track.

Syntax of int () function in Python

```
int(value, base)
```

Parameters of int function ()

The int () function has 2 parameters:

1. *value*: number or string to convert into an integer
2. *base*: number represents the number format. Default value: 10

Value returned from int ()

The int function returns:

1. an integer from the transmitted number or string.
2. If there are no parameters, return 0

For example, how does the int () function work?

```
# integer
print("int(123) là:", int(123))

# float
# vi?t b?i TipsMake.com
print("int(123.23) là:", int(123.23))

# string
print("int('123') là:", int('123'))
```

Run the program, the result is:

```
int(123) là: 123
int(123.23) là: 123
```

```
int('123') là: 123
```

Example 2: Where decimal, octal and hexadecimal?

```
# nh? phân 0b ho?c 0B
print("Chuy?n ??i giá tr? nh? phân 1010 sang int là:", int('1010', 2))
print("Chuy?n ??i giá tr? nh? phân 0b1010 sang int là:", int('0b1010', 2))

# bát phân 0o ho?c 0O
# vi?t b?i TipsMake.com
print("Chuy?n ??i giá tr? bát phân 12 sang int là:", int('12', 8))
print("Chuy?n ??i giá tr? bát phân 0o12 sang int là:", int('0o12', 8))

# th?p l?c phân
print("Chuy?n ??i giá tr? th?p l?c phân A sang int là:", int('A', 16))
print("Chuy?n ??i giá tr? th?p l?c phân 0xA sang int là:", int('0xA', 16))
```

Run the program, the result is:

```
Chuy?n ??i giá tr? nh? phân 1010 sang int là: 10
Chuy?n ??i giá tr? nh? phân 0b1010 sang int là: 10
Chuy?n ??i giá tr? bát phân 12 sang int là: 10
Chuy?n ??i giá tr? bát phân 0o12 sang int là: 10
Chuy?n ??i giá tr? th?p l?c phân A sang int là: 10
Chuy?n ??i giá tr? th?p l?c phân 0xA sang int là: 10
```

Don't forget to explore other important Python functions that TipsMake.com has introduced.

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