

Getattr () function in Python

The `getattr ()` function in Python returns the value of the property you want to find, if the object does not have this property the function will return the default value provided.

The `getattr ()` function in Python returns the value of the property you want to find, if the object does not have this property the function will return the default value provided. How is the syntax of `getattr ()` function, what parameters does it have, and how is it used? Invites you to read the track.

The `getattr ()` function syntax in Python

```
getattr(doituong, tenthuoctinh[, macdinh])
```

Parameters of `getattr` function ()

The `getattr ()` function has 3 parameters:

1. *Doituong*: object you want to check.
2. *tenthuoctinh*: name of the attribute to search.
3. *macdinh*: Value returned if the property does not exist.

Note : `getattr ()` function returns:

1. The value of the attribute if the object has an input attribute.
2. The default value if the object does not have a transfer attribute.
3. Exception *AttributionError* if no *attributes* are found and default values ??are not specified.

Example 1: How does the `getattr ()` function work?

```
class Nhanvien:  
    tuoi = 23  
    ten = "QuachTinh"  
  
nhanvien = Nhanvien()  
print('So tuoi la:', getattr(nhanvien, "tuoi"))  
print('So tuoi la:', nhanvien.tuoi)
```

Run the program, the result is:

```
So tuoi la: 23
So tuoi la: 23
```

Example 2: Default value parameter

```
class Nhanvien:
    tuoi = 23
    ten = "Adam"

nhanvien = Nhanvien()

# Khi truy?n giá tr? m?c ??nh
# Vi?t b?i TipsMake.com
print('Gioi tinh nhan vien la:', getattr(nhanvien, 'gioitinh', 'Nam'))

# Khi không truy?n giá tr? m?c ??nh
print('Gioi tinh nhan vien la:', getattr(nhanvien, 'gioitinh'))
```

Running the program results in:

```
Gioi tinh nhan vien la: Nam
AttributeError: 'Nhanvien' object has no attribute 'gioitinh'
```

The attribute is not in the *Nhanvien* class , so when calling the `getattr` function with the default value of *Male* , the function will return 'Male', but if it does not pass this parameter as the code below, the program will generate an exception. *AttributeError*.

Previous article: [Function len \(\) in Python](#)

Next lesson: [Python's globals \(\) function](#)

You finished reading the article "**Getattr () function in Python**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.