

Current date and time in Python

How to get the current date and time in Python? There are many different ways to do this, and in this article we will apply the class `date`, class `time` in the `datetime` module to display the current date in Python.

How to get the current date and time in Python?

In this article, TipsMake.com will show you how to display the current date and time in Python. We will also use the `strftime` function () to specify the date and time in different formats.

There are many different ways to do this. In this article we will apply class `date` and class `time` in the `datetime` module.



Example 1: Displays the current date in Python

```
from datetime import date today = date.today() print("Ngay hien tai:", today)
```

Result:

```
Ngay hien tai: 2019-07-11
```

Here, we import the `date` class from the `datetime` module and then use the `date.today()` method to retrieve the current local date.

Next, we use `today` variable as the `date` object and use the `strftime()` method to create a string that displays dates in different formats from this object.

Example 2: Display the current date in different formats

```

from datetime import date today = date.today() # dd/mm/YY d1 = today.strftime("%d/%m/%y") # Vi?t b?
i TipsMake.com d2 = today.strftime("%B %d, %Y") print("d2 =", d2) # mm/dd/y d3 =
?t t?t d4 = today.strftime("%b-%d-%Y") print("d4 =", d4)

```

Run the program, the results returned in the following form:

```

d1 = 11/07/2019 d2 = July 11, 2019 d3 = 07/11/19 d4 = Jul-11-2019

```

If you want to display both the current date and time, you can use the class *datetime* of the *datetime* module .

Example 3: Displays the current date and time in Python

```

from datetime import datetime # ??i t??ng datetime ch?a ngày và gi? hi?n t
?i # vi?t b?
i TipsMake.com now = datetime.now() print("now =", now) # dd/mm/YY H:M:S dt_strin

```

Result:

```

now = 2019-07-11 17:15:44.166750 Ngay va gio hien tai = 11/07/2019 17:15:44

```

The example above uses `datetime.now()` to retrieve the current date and time. Then use the `strftime()` method to create a string representing the date and time in another format.

Example 4: Displays the current time in Python

```

from datetime import datetime now = datetime.now() current_time = now.strftime("%H:%M:%S")

```

Result:

```

Gio hien tai = 17:31:58

```

Here, we import the *datetime* class from the *datetime* module and then use the *now()* method to get the *datetime* object containing the current date and time.

Next, we use the `datetime.strftime()` method to create a string that displays the current time.

If you need to create a *time* object containing the current time, you can do the following:

```

from datetime import datetime now = datetime.now().time() # time object print("Thoi gian hien tai: %H:%M:%S" % now)

```

Results returned:

```

Thoi gian hien tai: 09:37:48.952057 type(now) =

```

Example 5: Displays the current time using the time module

You can also retrieve the current time using the time module.

```
import time t = time.localtime() current_time = time.strftime("%H:%M:%S", t) print(current_time)
```

Previous article: [strftime \(\) function in Python](#)

Next lesson: [Convert the timestamp value in Python](#)

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