

Python Get Current time

 programiz.com/python-programming/datetime/current-time

In this article, you will learn to get current time of your locale as well as different time zones in Python.

There are a number of ways you can take to get current time in Python.

Example 1: Current time using datetime object

```
from datetime import datetime

now = datetime.now()

current_time = now.strftime("%H:%M:%S")
print("Current Time =", current_time)
```

Output

```
Current Time = 07:41:19
```

In the above example, we have imported `datetime` class from the `datetime` module. Then, we used `now()` method to get a `datetime` object containing current date and time.

Using `datetime.strftime()` method, we then created a string representing current time.

If you need to create a `time` object containing current time, you can do something like this.

```
from datetime import datetime

now = datetime.now().time() # time object

print("now =", now)
print("type(now) =", type(now))
```

Output

```
now = 07:43:37.457423
type(now) = <class 'datetime.time'>
```

Example 2: Current time using time module

You can also get the current time using time module.

```
import time

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

Output

07:46:58

Example 3: Current time of a timezone

If you need to find current time of a certain timezone, you can use [pytz module](#).

```
from datetime import datetime
import pytz

tz_NY = pytz.timezone('America/New_York')
datetime_NY = datetime.now(tz_NY)
print("NY time:", datetime_NY.strftime("%H:%M:%S"))

tz_London = pytz.timezone('Europe/London')
datetime_London = datetime.now(tz_London)
print("London time:", datetime_London.strftime("%H:%M:%S"))
```

Output

NY time: 03:45:16
London time: 08:45:16