

# Python timestamp to datetime and vice-versa

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 [programiz.com/python-programming/datetime/timestamp-datetime](https://programiz.com/python-programming/datetime/timestamp-datetime)

In this article, you will learn to convert timestamp to datetime object and datetime object to timestamp (with the help of examples).

It's pretty common to store date and time as a timestamp in a database. A Unix timestamp is the number of seconds between a particular date and January 1, 1970 at UTC.

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## Example 1: Python timestamp to datetime

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```
from datetime import datetime

timestamp = 1545730073
dt_object = datetime.fromtimestamp(timestamp)

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

When you run the program, the output will be:

```
dt_object = 2018-12-25 09:27:53
type(dt_object) = <class 'datetime.datetime'>
```

Here, we have imported `datetime` class from the `datetime` module. Then, we used `datetime.fromtimestamp()` classmethod which returns the local date and time (datetime object). This object is stored in `dt_object` variable.

**Note:** You can easily create a string representing date and time from a `datetime` object using `strftime()` method.

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## Example 2: Python datetime to timestamp

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You can get timestamp from a datetime object using `datetime.timestamp()` method.

```
from datetime import datetime

# current date and time
now = datetime.now()

timestamp = datetime.timestamp(now)
print("timestamp =", timestamp)
```