

[MongoDB Query](#)[MongoDB Sort](#)[MongoDB Delete](#)[MongoDB Drop Collection](#)[MongoDB Update](#)[MongoDB Limit](#)

Python Reference

[Python Overview](#)[Python Built-in Functions](#)[Python String Methods](#)[Python List Methods](#)[Python Dictionary Methods](#)[Python Tuple Methods](#)[Python Set Methods](#)[Python File Methods](#)[Python Keywords](#)[Python Exceptions](#)[Python Glossary](#)

Module Reference

[Random Module](#)[Requests Module](#)[Statistics Module](#)

Python Random Module

[< Previous](#)[Next >](#)

Python has a built-in module that you can use to make random numbers.

The `random` module has a set of methods:

Method	Description
<code>seed()</code>	Initialize the random number generator
<code>getstate()</code>	Returns the current internal state of the random number generator
<code>setstate()</code>	Restores the internal state of the random number generator
<code>getrandbits()</code>	Returns a number representing the random bits
<code>randrange()</code>	Returns a random number between the given range
<code>randint()</code>	Returns a random number between the given range
<code>choice()</code>	Returns a random element from the given sequence

Python How To

Remove List Duplicates

<u>choices()</u>	Returns a list with a random selection from the given sequence
<u>shuffle()</u>	Takes a sequence and returns the sequence in a random order
<u>sample()</u>	Returns a given sample of a sequence
<u>random()</u>	Returns a random float number between 0 and 1
<u>uniform()</u>	Returns a random float number between two given parameters
<u>triangular()</u>	Returns a random float number between two given parameters, you can also set a mode parameter to specify the midpoint between the two other parameters
betavariate()	Returns a random float number between 0 and 1 based on the Beta distribution (used in statistics)
expovariate()	Returns a random float number based on the Exponential distribution (used in statistics)
gammavariate()	Returns a random float number based on the Gamma distribution (used in statistics)
gauss()	Returns a random float number based on the Gaussian distribution (used in probability theories)
lognormvariate()	Returns a random float number based on a log-normal distribution (used in probability theories)
normalvariate()	Returns a random float number based on the normal distribution (used in probability theories)
vonmisesvariate()	Returns a random float number based on the von Mises distribution (used in directional statistics)
paretovariate()	Returns a random float number based on the Pareto distribution (used in probability theories)
weibullvariate()	Returns a random float number based on the Weibull distribution (used in statistics)

COLOR
PICKER



LIKE US



Get certified
by completing
a course today!



Get started

CODE GAME

[◀ Previous](#)

[Next ▶](#)



[Play Game](#)

Certificates

[HTML](#)

[CSS](#)

[JavaScript](#)

[Front End](#)

[Python](#)

[SQL](#)

[And more](#)

[REPORT ERROR](#)

[FORUM](#)

[ABOUT](#)

[SHOP](#)

Top Tutorials

HTML Tutorial
CSS Tutorial
JavaScript Tutorial
How To Tutorial
SQL Tutorial
Python Tutorial
W3.CSS Tutorial
Bootstrap Tutorial
PHP Tutorial
Java Tutorial
C++ Tutorial
jQuery Tutorial

Top References

HTML Reference
CSS Reference
JavaScript Reference
SQL Reference
Python Reference
W3.CSS Reference
Bootstrap Reference
PHP Reference
HTML Colors
Java Reference
Angular Reference
jQuery Reference

Top Examples

HTML Examples
CSS Examples
JavaScript Examples
How To Examples
SQL Examples
Python Examples
W3.CSS Examples
Bootstrap Examples
PHP Examples
Java Examples
XML Examples
jQuery Examples

Web Courses

HTML Course
CSS Course
JavaScript Course
Front End Course
SQL Course
Python Course
PHP Course
jQuery Course
Java Course
C++ Course
C# Course
XML Course

[Get Certified »](#)

W3Schools is optimized for learning and training. Examples might be simplified to improve reading and learning. Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness of all content. While using W3Schools, you agree to have read and accepted our terms of use, cookie and privacy policy.

Copyright 1999-2021 by Refsnes Data. All Rights Reserved.
W3Schools is Powered by W3.CSS.

