Random Modules

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| [seed()](https://www.w3schools.com/python/ref_random_seed.asp) | Initialize the random number generator |
| [getstate()](https://www.w3schools.com/python/ref_random_getstate.asp) | Returns the current internal state of the random number generator |
| [setstate()](https://www.w3schools.com/python/ref_random_setstate.asp) | Restores the internal state of the random number generator |
| [getrandbits()](https://www.w3schools.com/python/ref_random_getrandbits.asp) | Returns a number representing the random bits |
| [randrange()](https://www.w3schools.com/python/ref_random_randrange.asp) | Returns a random number between the given range |
| [randint()](https://www.w3schools.com/python/ref_random_randint.asp) | Returns a random number between the given range |
| [choice()](https://www.w3schools.com/python/ref_random_choice.asp) | Returns a random element from the given sequence |
| [choices()](https://www.w3schools.com/python/ref_random_choices.asp) | Returns a list with a random selection from the given sequence |
| [shuffle()](https://www.w3schools.com/python/ref_random_shuffle.asp) | Takes a sequence and returns the sequence in a random order |
| [sample()](https://www.w3schools.com/python/ref_random_sample.asp) | Returns a given sample of a sequence |
| [random()](https://www.w3schools.com/python/ref_random_random.asp) | Returns a random float number between 0 and 1 |
| [uniform()](https://www.w3schools.com/python/ref_random_uniform.asp) | Returns a random float number between two given parameters |
| [triangular()](https://www.w3schools.com/python/ref_random_triangular.asp) | 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) |