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Python Random Module

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

The `random` module has a set of methods:

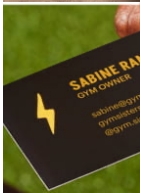
Method	Description
<code>seed()</code>	Initialize the random number generator
<code>getstate()</code>	Returns the current internal state of the random number generator
<code>setstate()</code>	Restores the internal state of the random number generator
<code>getrandbits()</code>	Returns a number representing the random bits



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randrange()

Returns a random number between the given range

randint()

Returns a random number between the given range

choice()

Returns a random element from the given sequence

choices()

Returns a list with a random selection from the given sequence

shuffle()

Takes a sequence and returns the sequence in a random order

sample()

Returns a given sample of a sequence

random()

Returns a random float number between 0 and 1

uniform()

Returns a random float number between two given parameters

triangular()

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

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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)

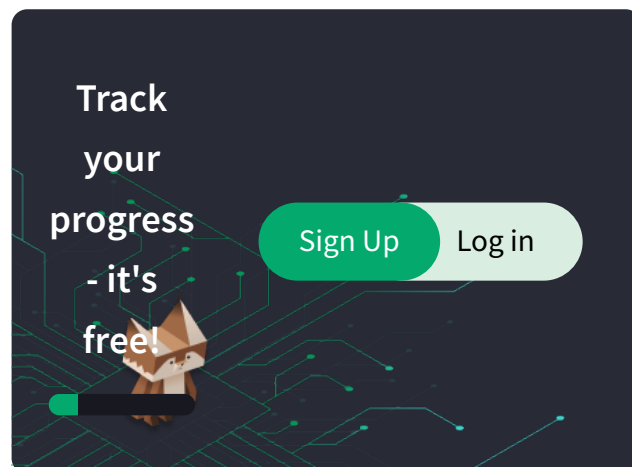
`vonmisesvariate()` Returns a random float number based on the von Mises distribution (used in directional statistics)

`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)

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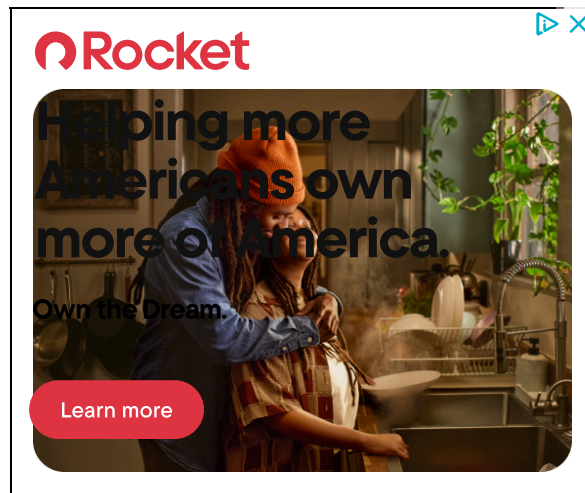
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