# Choose a single element

```
random.choice 'abcdefghij'    # => 'c'
```

1 2 3 4 5 6 7

`random.shuffle`

```
# => [7, 3, 2, 5, 6, 4, 1]
```

```
# k samples without replacement
```

```
random.sample        5      3    # => [3, 1, 4]
```

# Sample from statistical distributions (others exist)

```
random.normalvariate      0              3    # => 2.373780578271
```

# random — Generate pseudo-random numbers

```python
# Choose a single element
random.choice('abcdefghij')  # => 'c'


items = [1, 2, 3, 4, 5, 6, 7]
random.shuffle(items)
items  # => [7, 3, 2, 5, 6, 4, 1]


# k samples without replacement
random.sample(range(5), k=3)  # => [3, 1, 4]


# Sample from statistical distributions (others exist)
random.normalvariate(mu=0, sigma=3)  # => 2.373780578271
```

# sys
## System-specific
## parameters and functions