

Splats

Physics 91SI

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Functions without splats

non-keyword argument

keyword arguments

```
func(3, b = 4, d = 10, c = 11)
```

```
def func(a, b, c = 5, d = 6, e = 7):
```

mandatory arguments

optional arguments

```
#do something
```

Calling functions using splats

non-keyword arguments

keyword arguments

```
func(*tuple1, **dict1)
```

```
func(*(3, 4), **{"d": 10, "c": 11})
```

```
func(3, 4, d = 10, c = 11)
```

```
def func(a, b, c = 5, d = 6, e = 7):
```

mandatory arguments

optional arguments

```
#do something
```

all equivalent

Defining functions with splats

non-keyword arguments keyword arguments

```
func(3, 4, d = 10, c = 11)
```

```
def func(*arg_tuple, **kwargs):
```

non-keyword arguments keyword arguments

```
    print arg_tuple
    print kwargs
```

```
prints (3, 4)
```

```
prints {'d': 10, 'c': 11}
```

Individual elements of `arg_tuple` and `kwargs` are only mandatory if they are explicitly referenced in the program.