

**Python
Bootcamp
& Masterclass**

**packing
& unpacking**



packing

Packing is the process of assembling several data elements into a single package or container.

```
scores_t = 'Amanda', [98, 85, 87]  # tuple packing
scores_t
print(*scores_t)                   # tuple unpacking
```

```
('Amanda', [98, 85, 87])
```

```
Amanda [98, 85, 87]
```

```
*scores_l, = 'Amanda', [98, 85, 87]  # list packing
scores_l
print(*scores_l)                     # list unpacking
```

```
['Amanda', [98, 85, 87]]
```

```
Amanda [98, 85, 87]
```

```
greeting = 'Hello' 'World'          # string packing
print(*greeting)                    # string unpacking
```

```
H e l l o W o r l d
```

```
my_set = {1, 2, 3}
print(*my_set)                      # set unpacking
```

```
1 2 3
```

unpacking

Unpacking is the process of disassembling a container into individual data elements.

```
num1, num2, num3 = range(10, 40, 10) # range unpacking
print(num1, num2, num3)
```

```
10 20 30
```

```
kw_args = dict(red = 0, green = 91, blue = 247)
print(*kw_args) # dict key unpacking (**kw_args unpacks key-value pairs)
```

```
red green blue
```

```
t1 = (1, 2, 3, 4)
a, b, *c = t1
print(a, b, c)
```

```
1 2 [3, 4]
```

```
t2 = (1, 2, 3, 4, ('a', 'b'))
a, *b, c = t2
print(a, b, c)
```

```
1 [2, 3, 4] ('a', 'b')
```

```
t3 = (1, 2, 3, 4, ('a', 'b'))
a, b, c, d, e, *f = t3
print(a, b, c, d, e, f)
```

```
1 2 3 4 ('a', 'b') []
```



Online Resources

For best python resources, please visit:



gknxt.com/python/

Python Bootcamp & Masterclass

Thank You
for your Rating & Review

