

Typhorm

Simple Boxes

title-box

```
1 #title-box[
2   #lorem(1)
3 ]
```



Lorem.

tab-box

```
1 #tab-box[
2   #lorem(3)
3 ]
```



Lorem ipsum dolor.

body-box

```
1 #body-box[
2   #lorem(50)
3 ]
```



Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat voluptatem. Ut enim aequaleamus animo, cum corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere malum nobis opinemur. Quod idem licet transferre in voluptatem, ut.

Complex Boxes

with-index-tab-box

```
1 #with-index-tab-box(
2   [index],
3   [tab],
4   [
5     #lorem(20)
6   ]
7 )
```



index	tab
	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua quaerat.

with-index-tab-box2

```
1  #with-index-tab-box2(  
2    [index],  
3    [tab1],  
4    [  
5      - item1  
6      - item2  
7    ],  
8    [tab2],  
9    [  
10     - item1  
11     - item2  
12   ],  
13  )
```

index	tab1	tab2
	<ul style="list-style-type: none">• item1• item2	<ul style="list-style-type: none">• item1• item2

with-index-box2

```
1  #with-index-box2(  
2    [index1],  
3    [  
4      - item1  
5      - item2  
6    ],  
7    [index2],  
8    [  
9      - item1  
10     - item2  
11   ],  
12  )
```

index1	<ul style="list-style-type: none">• item1• item2	index2	<ul style="list-style-type: none">• item1• item2
--------	---	--------	---

with-index-box

```
1  #with-index-box(  
2    [index],  
3    [  
4      - item1  
5      - item2  
6    ],  
7  )
```

index	<ul style="list-style-type: none"> • item1 • item2
-------	--

More Complex Boxes

with-index-tab4-box

```

1 #with-index-tab4-box(
2   [index],
3   [tab], [tab2], [tab3], [tab4],
4 )

```

index	tab	tab2	tab3	tab4
-------	-----	------	------	------

with-index-mat32-box

```

1 #with-index-mat32-box(
2   [index],
3   [
4     - item1
5     - item2
6   ],
7   [upper],
8   [60],
9   [
10    - item1
11    - item2
12  ],
13  [lower],
14  [30],
15  [
16    - item1
17    - item2
18  ],
19 )

```

index	<ul style="list-style-type: none"> • item1 • item2 	upper	60	<ul style="list-style-type: none"> • item1 • item2
		lower	30	<ul style="list-style-type: none"> • item1 • item2

with-mat31-box

```
1  #with-mat31-box(  
2    [  
3      - item1  
4      - item2  
5    ],  
6    [index1],  
7    [#lorem(15)],  
8    [index2],  
9    [#lorem(5)],  
10   [index3],  
11   [#lorem(5)],  
12  )
```



<ul style="list-style-type: none">• item1• item2	index1	Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore.
	index2	Lorem ipsum dolor sit amet.
	index3	Lorem ipsum dolor sit amet.

Cases

Lesson Plans

Fundamental Python

General Scheme				
goals	Knowledge Points		Proficiency	
	<ul style="list-style-type: none">• the <code>filter()</code> function• the <code>map()</code> function• the <code>reduce()</code> function		<ul style="list-style-type: none">• fluent in using builtin functions	
Preliminary Courses	Knowledge Points			
	variable types; control flow;			
offline reference	<ul style="list-style-type: none">• Book: Python crash course	online reference	<ul style="list-style-type: none">• Video: Python for Beginners	
activity	goals	loc.	time	reference

experiment	<ul style="list-style-type: none"> • file manipulation • calculation using builtin functions 	offline	60 min	<ul style="list-style-type: none"> • textbooks • slides
		online	30 min	<ul style="list-style-type: none"> • videos • books

API

Simple Boxes

```

1 title-box(
2   body,
3   size: 20pt,
4   inset: 12pt,
5   styles: default-styles,
6   info: default-info.global
7 )

```



```

1 tab-box(
2   body,
3   height: auto,
4   inset: 8pt,
5   styles: default-styles,
6   info: default-info.global,
7 )

```



```

1 body-box(
2   body,
3   height: auto,
4   inset: 8pt,
5   styles: default-styles,
6   info: default-info.global,
7 )

```



Complex Boxes

```

1 with-index-tab-box(
2   index,
3   tab,
4   col,
5   index-ratio: 15%,
6   height-coef: 0.55pt,
7   tab-height: 24pt,
8   styles: default-styles,
9   info: default-info.global,
10 )

```



```
1 with-index-tab-box2(  
2   index,  
3   tab,  
4   col,  
5   tab2,  
6   col2,  
7   index-ratio: 15%,  
8   height-coef: 0.55pt,  
9   tab-height: 24pt,  
10  styles: default-styles,  
11  info: default-info.global,  
12 )
```



```
1 with-index-box2(  
2   index,  
3   col,  
4   index2,  
5   col2,  
6   index-ratio: 15%,  
7   height-coef: 0.55pt,  
8   styles: default-styles,  
9   info: default-info.global,  
10 )
```



```
1 with-index-box(  
2   index,  
3   col,  
4   index-ratio: 15%,  
5   height-coef: 0.35pt,  
6   styles: default-styles,  
7   info: default-info.global,  
8 )
```



More Complex Boxes

```
1 with-index-tab4-box(  
2   index,  
3   tab,  
4   tab2,  
5   tab3,  
6   tab4,  
7   index-ratio: 15%,  
8   tab-height: 24pt,  
9   styles: default-styles,  
10  info: default-info.global,  
11 )
```



```
1 with-index-mat32-box(  
2   index,  
3   body,  
4   index21,  
5   index31,  
6   col21,  
7   index22,  
8   index32,  
9   col22,  
10  index-ratio: 15%,  
11  col-hcoefs: (0.6pt, 1.35pt),  
12  styles: default-styles,  
13  info: default-info.global,  
14 )
```



```
1 with-mat31-box(  
2   body,  
3   index,  
4   row,  
5   index2,  
6   row2,  
7   index3,  
8   row3,  
9   index-ratio: 50%,  
10  col-hcoefs: (0.35pt, 1.05pt),  
11  styles: default-styles,  
12  info: default-info.global,  
13 )
```

