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 magnam aliquam quaerat voluptatem. Ut enim aeque doleamus 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 magnam aliquam 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  )
```

	tab1	tab2
index	• item1 • item2	• 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	• item1 • item2	index2	• item1 • item2

with-index-box

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

index	• 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	• item1 • item2	upper	60	• item1 • item2
		lower	30	• 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 )
```

• 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

```
1   #set block(spacing: 0pt)
2   #title-box()[
3     *Fundamental Python*
4   ]
5
6   #tab-box()[
7     *General Scheme*
8   ]
9
10  #with-index-tab-box2(
11    [goals],
12    [Knowledge Points],
13    [
14      - the `filter()` function
15      - the `map()` function
16      - the `reduce()` function
17    ],
18    [Proficiency],
19    [
20      - fluent in using builtin functions
21    ],
22  )
23
24  #with-index-tab-box(
25    [Preliminary Courses],
26    [Knowledge Points],
27    [
28      variable types; control flow;
29
30    ],
31  )
32
33  #with-index-box2(
34    [offline reference],
35    [
36      - Book: Python crash course
37    ],
38    [online reference],
39    [
40      - Video: Python for Beginners
41    ],
42  )
```

```
1   #with-index-tab4-box(
2      [activity], [goals], [loc.], [time], [reference],
3   )
4
5   #with-index-mat32-box(
6      [experiment],
7      [
8         - file manipulation
9         - calculation using builtin functions
10     ],
11     [offline],
12     [60 min],
13     [
14        - textbooks
15        - slides
16     ],
17     [online],
18     [30 min],
19     [
20        - videos
21        - books
22     ],
23  )
```

Fundamental Python

General Scheme				
	Knowledge Points		Proficiency	
goals	• the `filter()` function • the `map()` function • the `reduce()` function		• fluent in using builtin functions	
Preliminary Courses	Knowledge Points			
	variable types; control flow;			
offline reference	• Book: Python crash course	online reference	• Video: Python for Beginners	
activity	**goals**	**loc.**	**time**	**reference**
experiment	• file manipulation • calculation using builtin functions	offline	60 min	• textbooks • slides
		online	30 min	• 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  )
```

```
with-index-mat32-box(
  index,
  body,
  index21,
  index31,
  col21,
  index22,
  index32,
  col22,
  index-ratio: 15%,
  col-hcoefs: (0.6pt, 1.35pt),
  styles: default-styles,
  info: default-info.global,
)
```

```
with-mat31-box(
  body,
  index,
  row,
  index2,
  row2,
  index3,
  row3,
  index-ratio: 50%,
  col-hcoefs: (0.35pt, 1.05pt),
  styles: default-styles,
  info: default-info.global,
)
```