Elsie: Slides in Python in Programmable Way

Stanislav Böhm

https://github.com/spirali/elsie

Elsie is a slide framework based on *Python*

Hello World example:

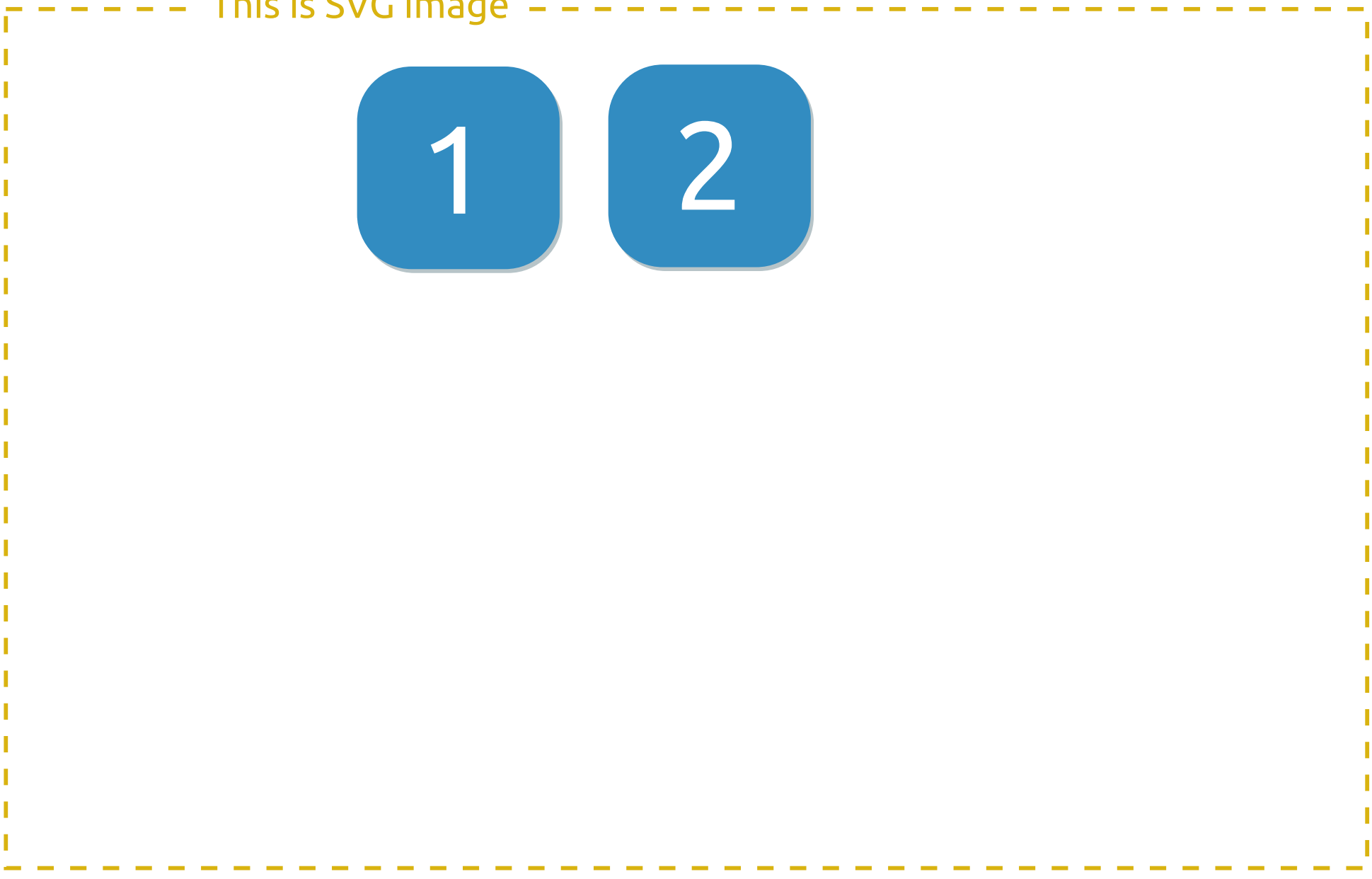
```
import elsie

@elsie.slide()
def hello(slide):
    slide.text("Hello world!")

elsie.render()
```

Elsie supports ...

Elsie supports ...
... fragment ...

Elsie supports ...
... fragment ...
... revealing.

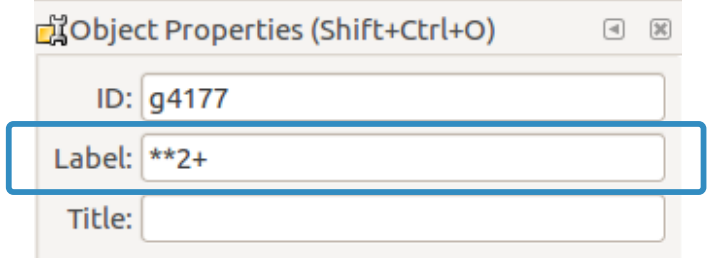
This is SVG image
1


This is SVG image
1
2

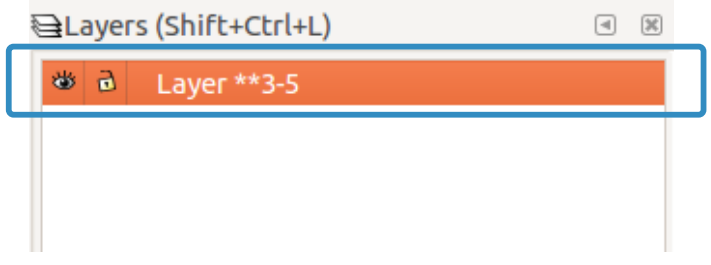
This is SVG image

1 2 3

Fragments in SVG by naming elements and layers



Show object from second slide

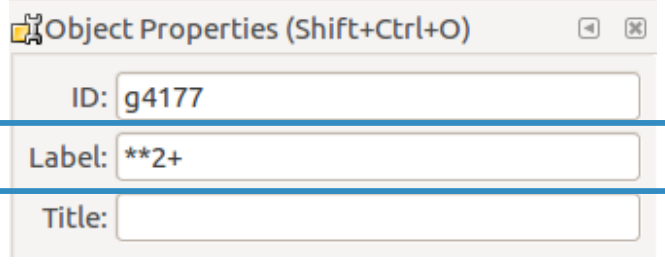


Show layer from 3rd to 5th slide

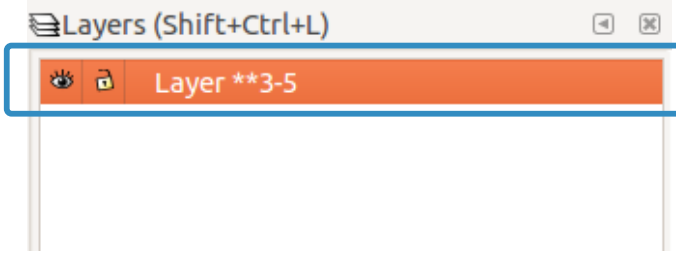
This is SVG image

1 2 3

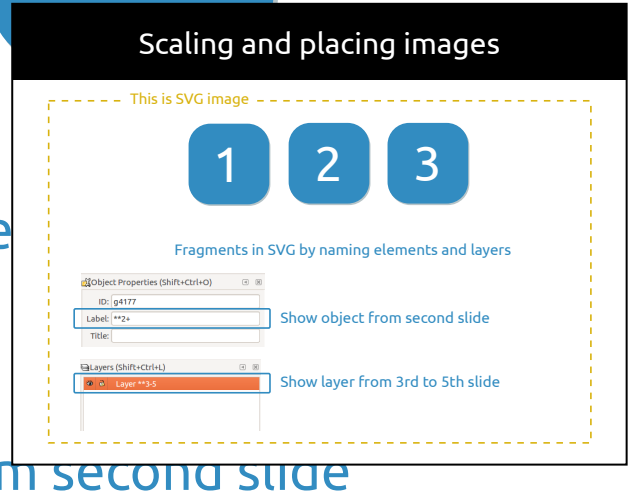
Fragments in SVG by naming ele



Show object from second slide



Show layer from 3rd to 5th slide



Content

Syntax Highlighting

```c
#include <stdio.h>

/* Hello world program */

int main() {
    printf("Hello world!\n");
    return 0;
}
```

Line Highlighting

```
#include <stdio.h>

/* Hello world program */

int main() {
    printf("Hello world!\n");
    return 0;
}
```

Line Highlighting

```
#include <stdio.h>

/* Hello world program */

int main() {
    printf("Hello world!\n");
    return 0;
}
```

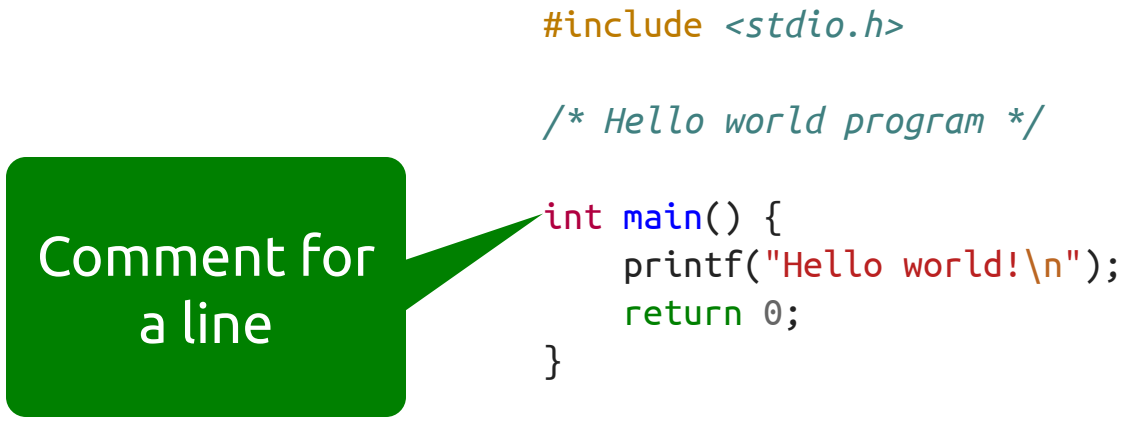
Line Highlighting

```
#include <stdio.h>

/* Hello world program */

int main() {
    printf("Hello world!\n");
    return 0;
}
```

Line Highlighting

```
#include <stdio.h>

/* Hello world program */

int main() {
    printf("Hello world!\n");
    return 0;
}
```

Line Highlighting




```c
#include <stdio.h>

/* Hello world program */

int main() {
    printf("Hello world!\n");
    return 0;
}
```

Line Highlighting

Demo for highlighting a part of a line

Demo for highlighting a part of a line

Demo for highlighting a part of a line

Console demo

```
~/path/to/elsie/example$ ls
example.py

~/path/to/elsie/example$ python3 example.py
Preprocessing.................. done
Building....................... done
Creating 'example.pdf'........ done
```

TEX demo

$$\begin{bmatrix} 1 & \sqrt{x} & 0 \\ 0 & 1 & -1 \end{bmatrix} \begin{bmatrix} 1 \\ \frac{\alpha}{x} \\ 1 \end{bmatrix} = \begin{bmatrix} 1 + \frac{\alpha}{\sqrt{x}} \\ \frac{\alpha}{x} - 1 \end{bmatrix}$$

Header 1

Header 2

Header 3

Normal text | `Type writer` | *emphasis* | **alert**

red green blue

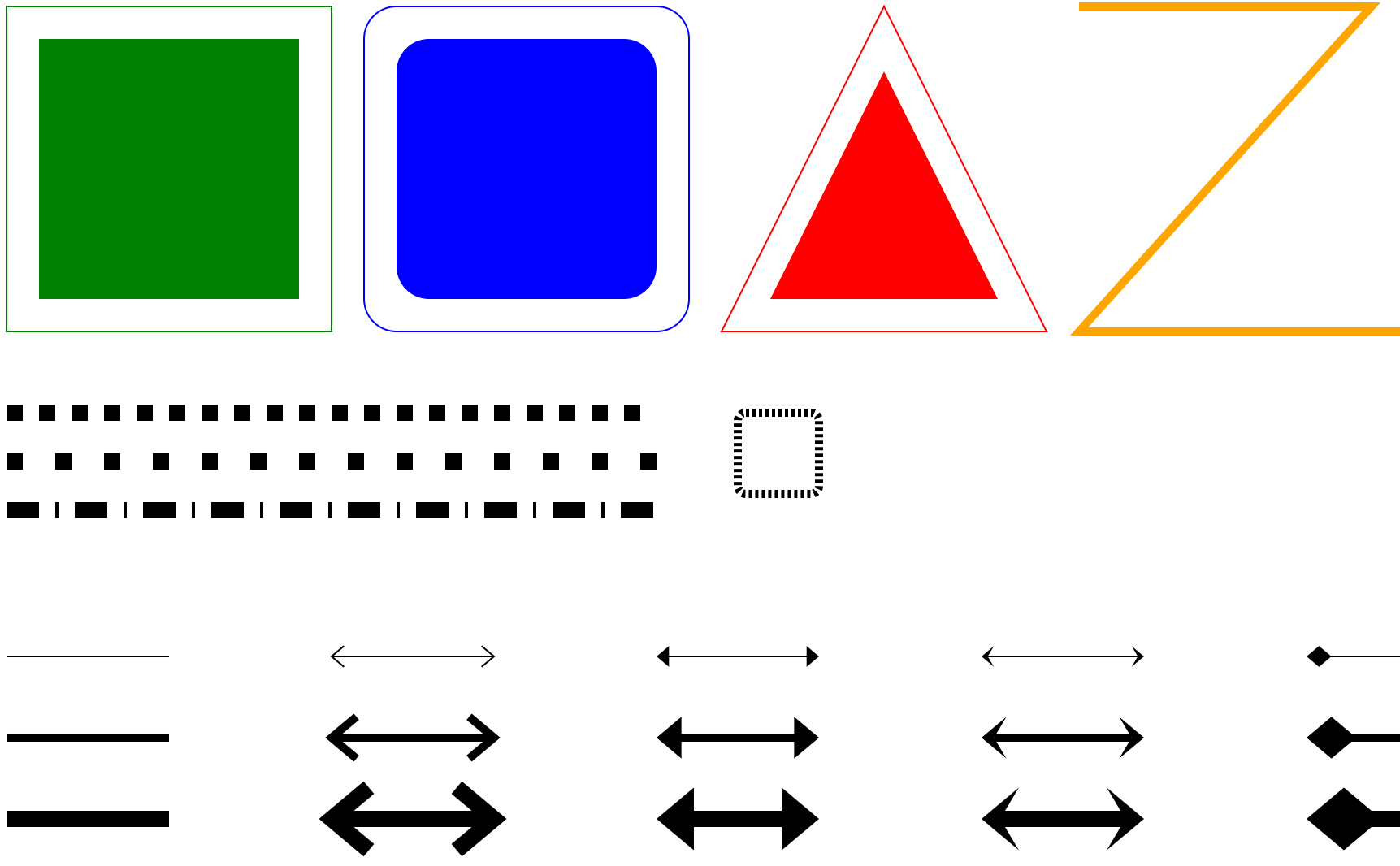
- This is LIST DEMO
- This is
  multi-line
  item
- Last item

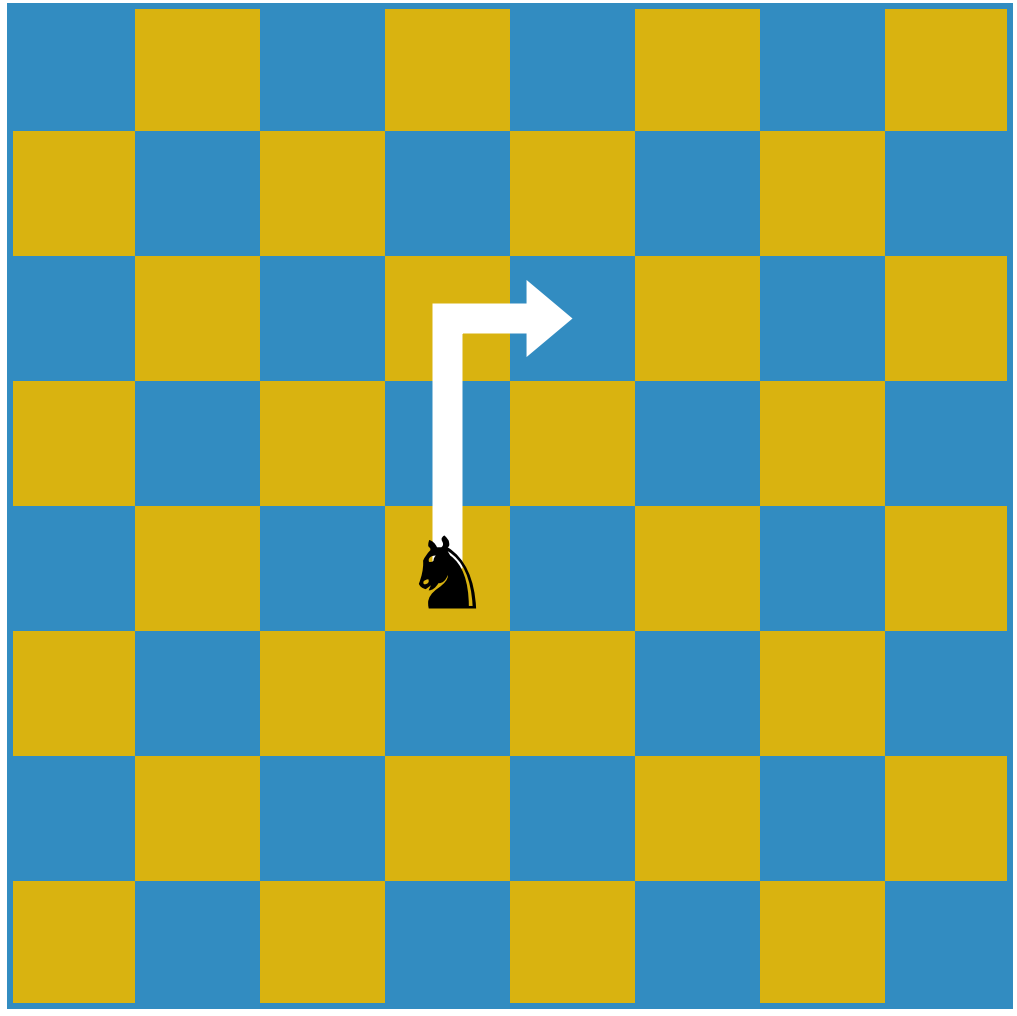
Columns demo

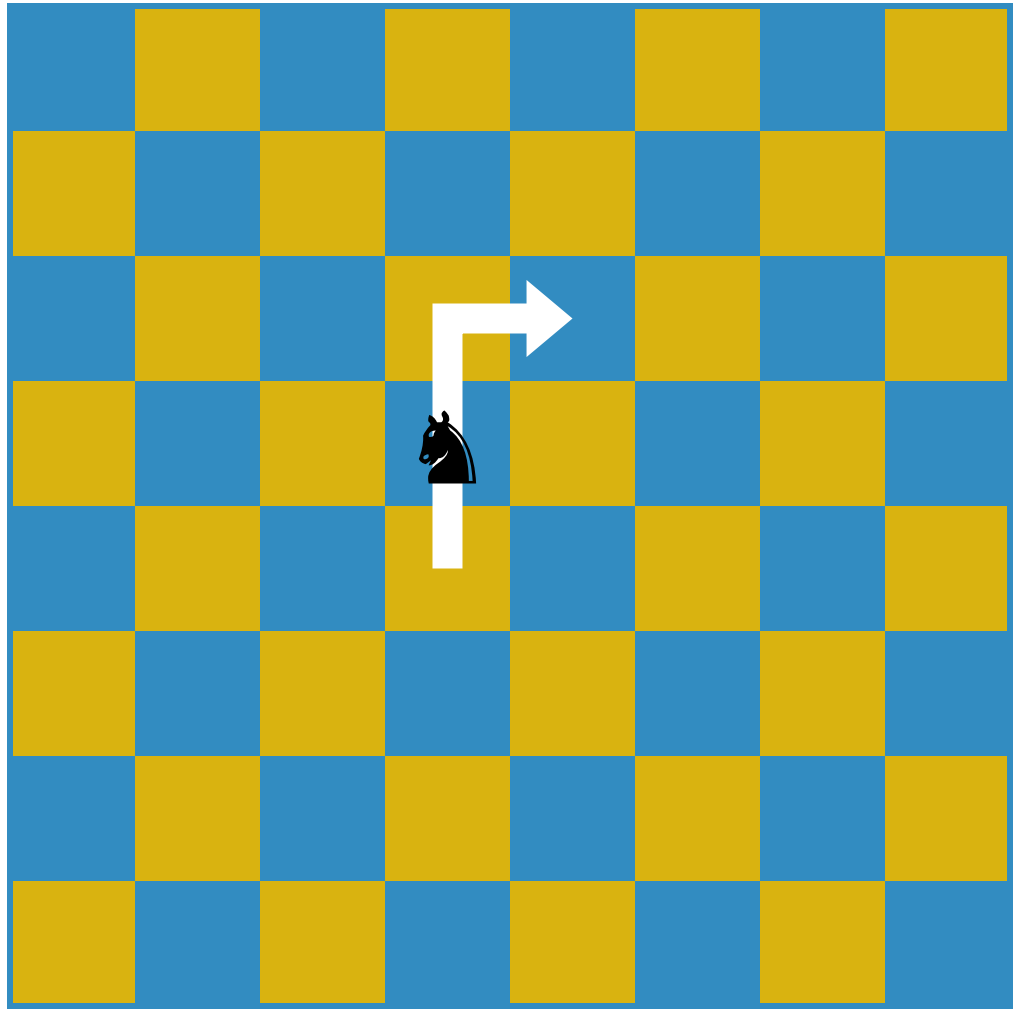
This is some text in the first column

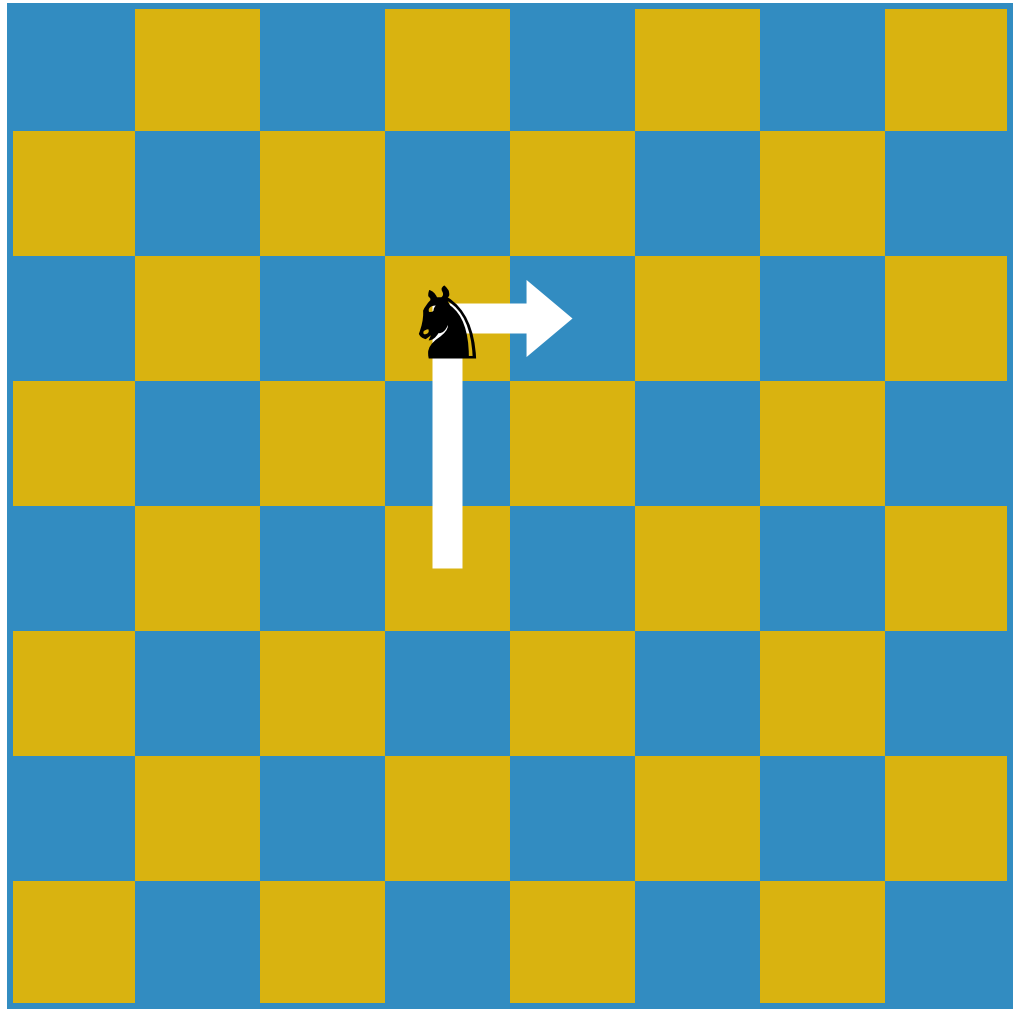
```
print 'Hello world!'
```

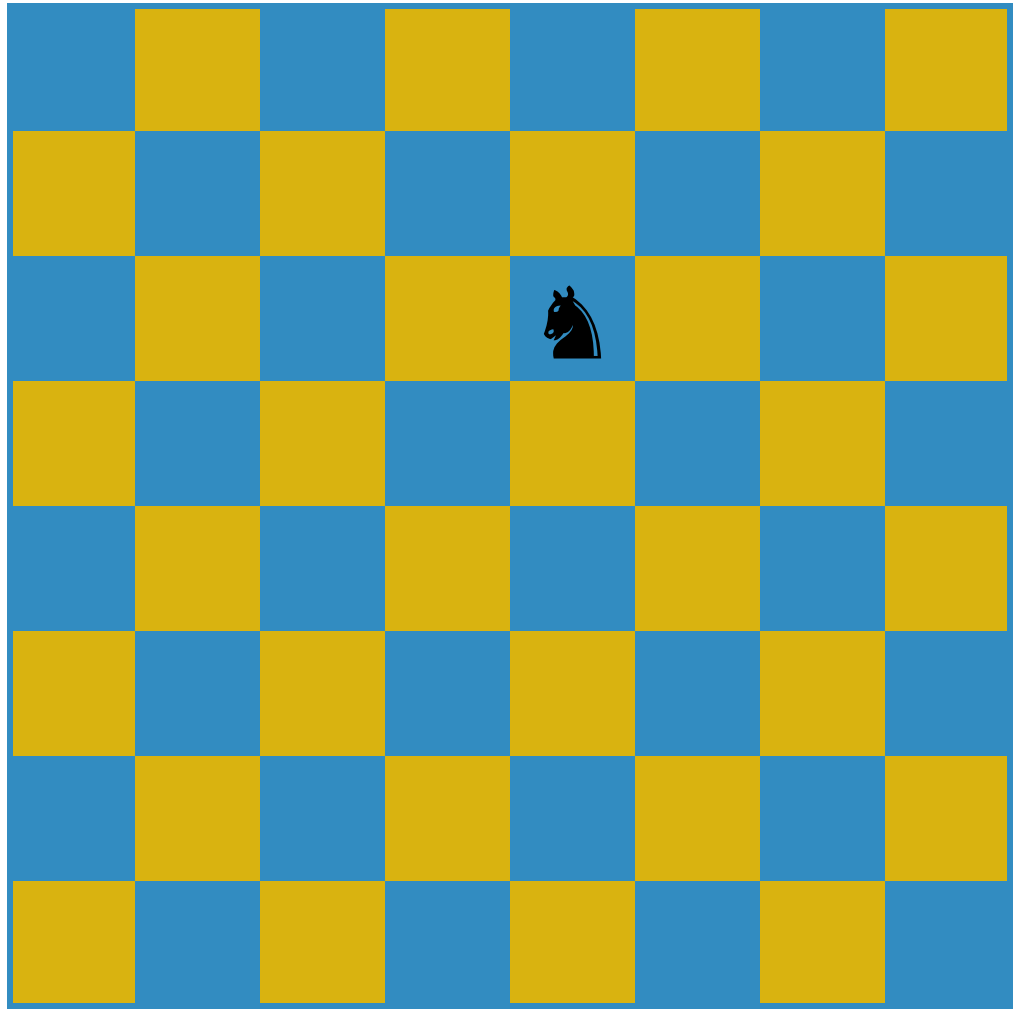
Some text again in the third column



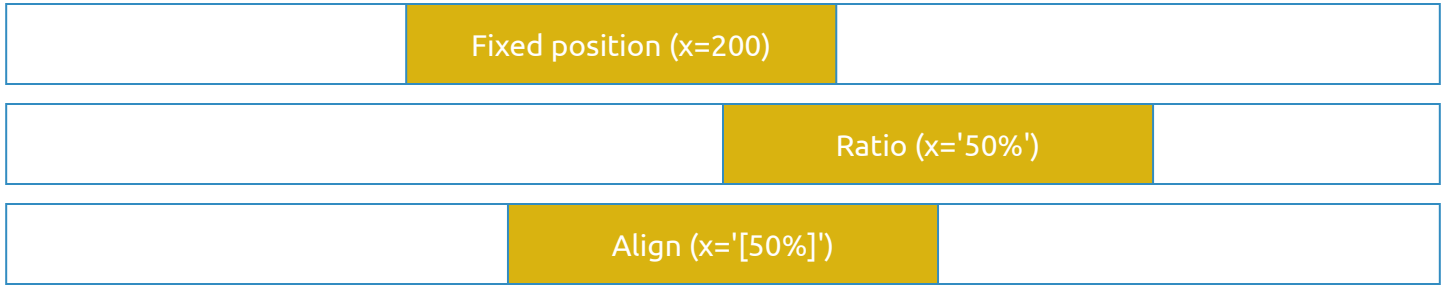




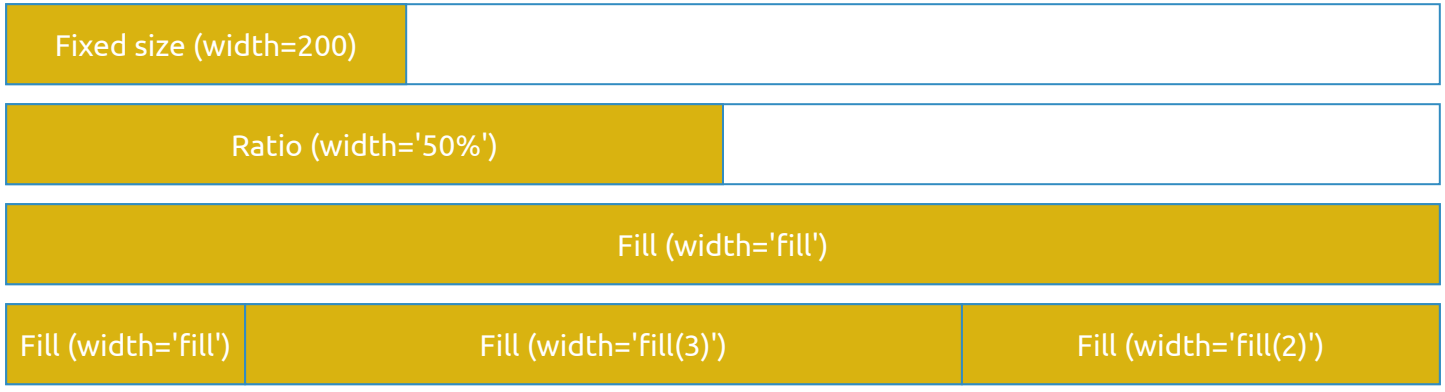




Position demo



Size demo



Have a nice day!