

# 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



This is SVG image





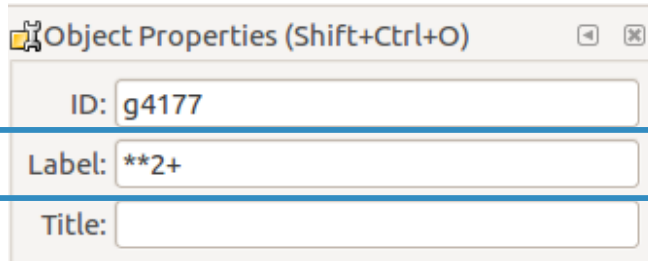
This is SVG image

1

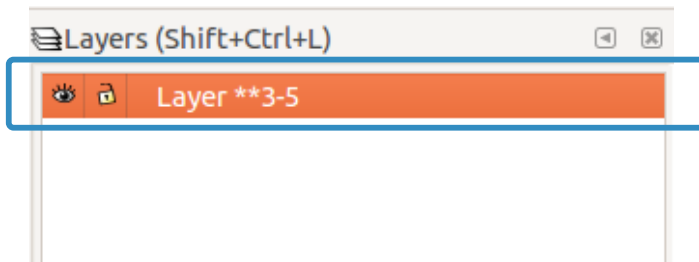
2

3

Fragments in SVG by naming elements and layers



Show object from second slide



Show layer from 3rd to 5th slide

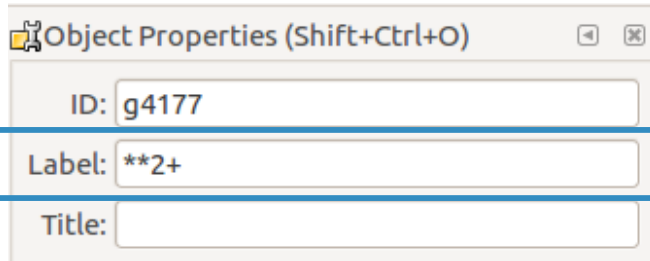
This is SVG image

1

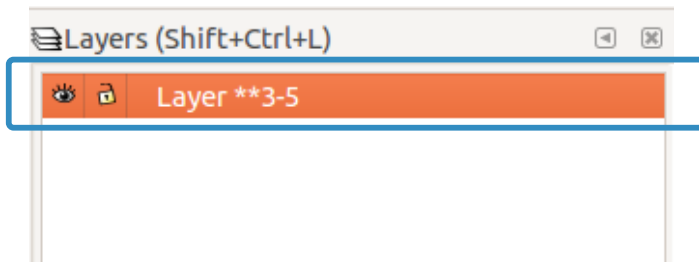
2

3

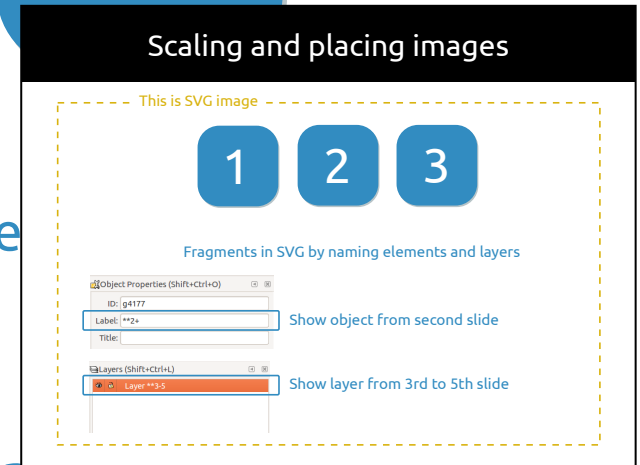
Fragments in SVG by naming ele



Show object from second slide



Show layer from 3rd to 5th slide



Content

## Syntax Highlighting

```
#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

```
#include <stdio.h>
```

```
/* Hello world program */
```

Comment for  
a line

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

## Line Highlighting

```
#include <stdio.h>

/* Hello world program */

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



Demo for highlighting a part of a line

Demo for highlighting a part of a line

Demo for highlighting a part of a line

A diagram illustrating a text highlighting operation. The word "highlighting" is enclosed in a yellow rectangular box. A yellow arrow points upwards from below the box, indicating the selection or highlighting of this specific part of the line of text.

## Words inside code block

```
#include <stdio.h>
```

```
/* Hello world program */
```

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

← Box world highlight

← Font style changed

← Pointing to a word

## 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

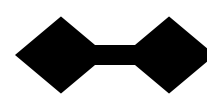
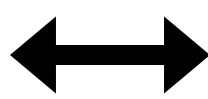
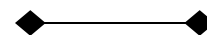
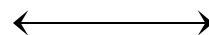
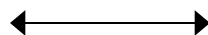
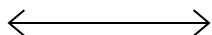
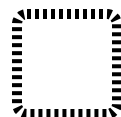
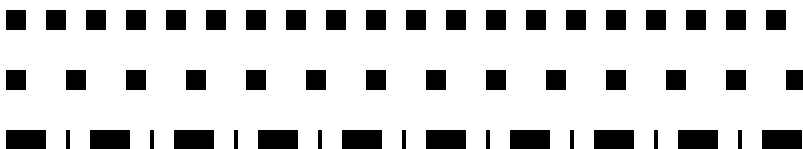
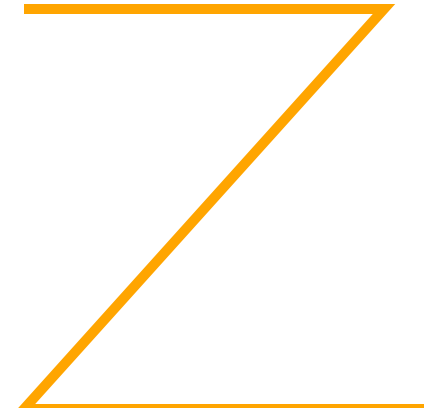
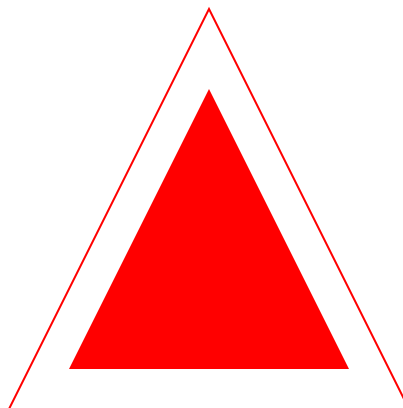
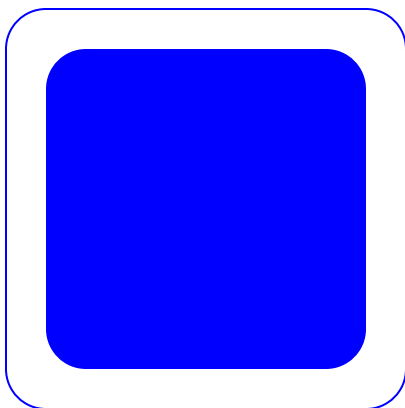
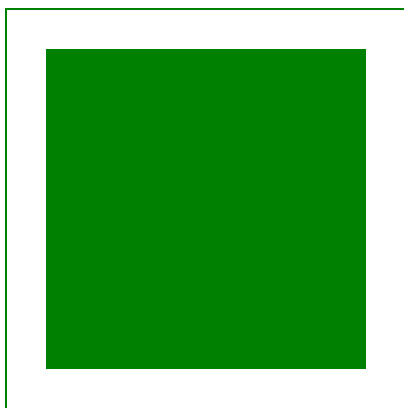
- This is LIST DEMO
- This is  
multi-line  
item
- Last item

## Columns demo

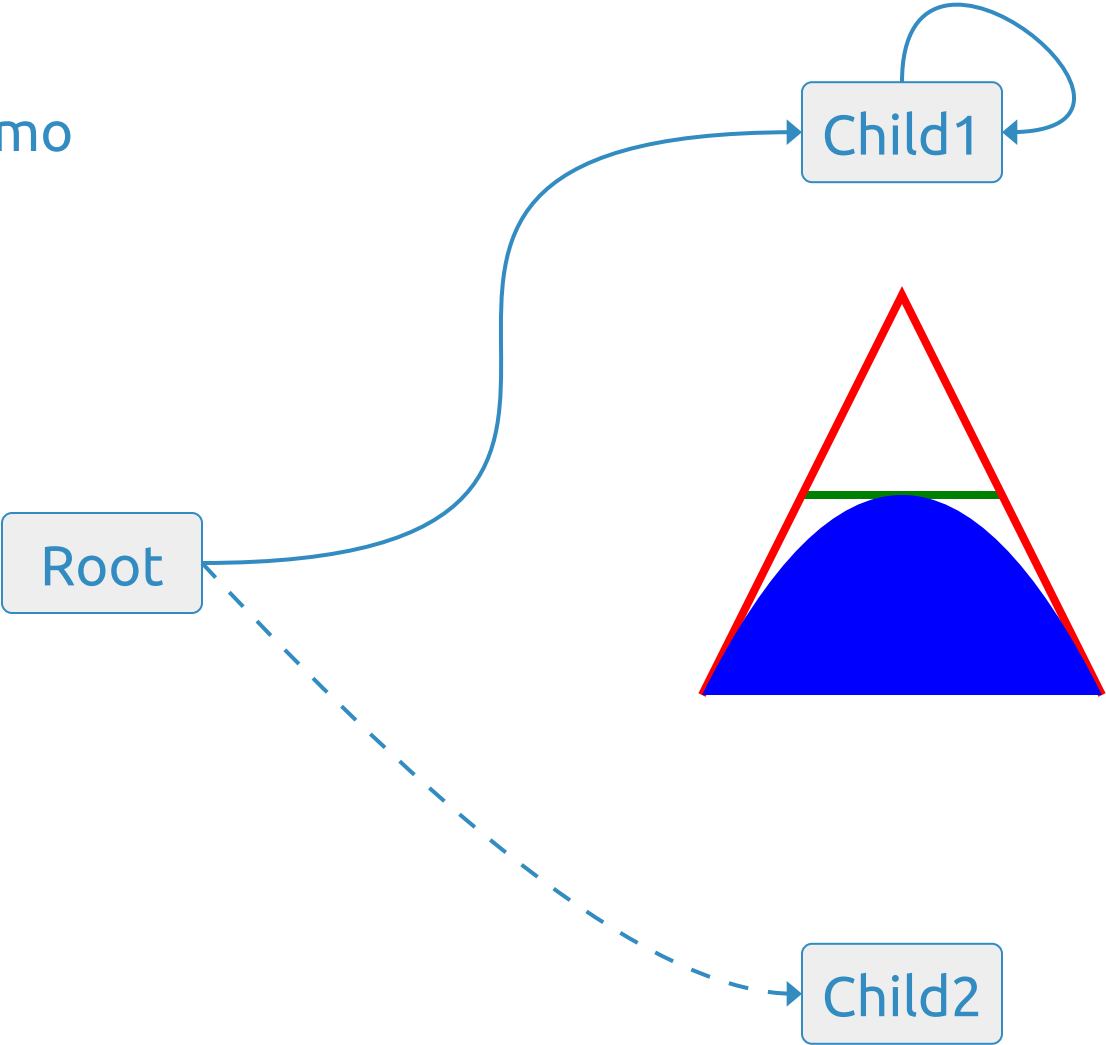
This is some text  
in the first  
column

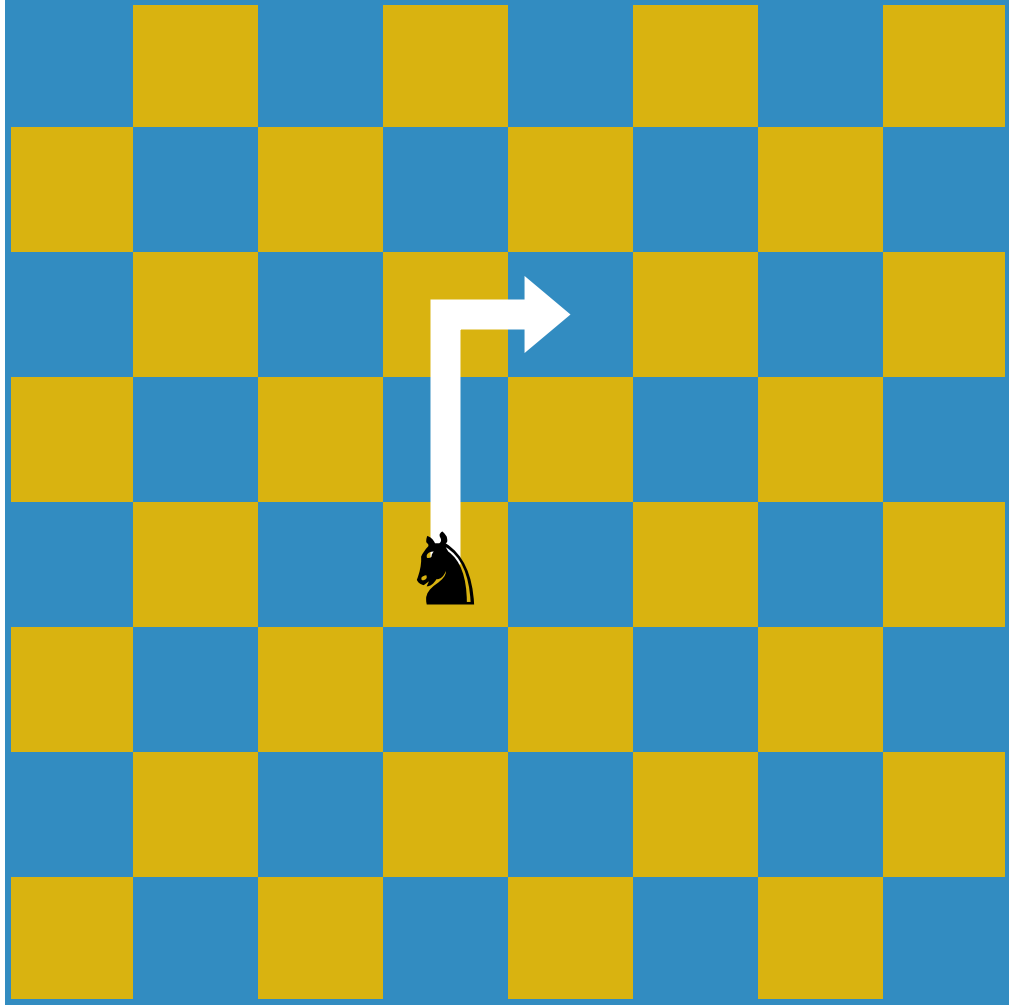
```
print 'Hello world!'
```

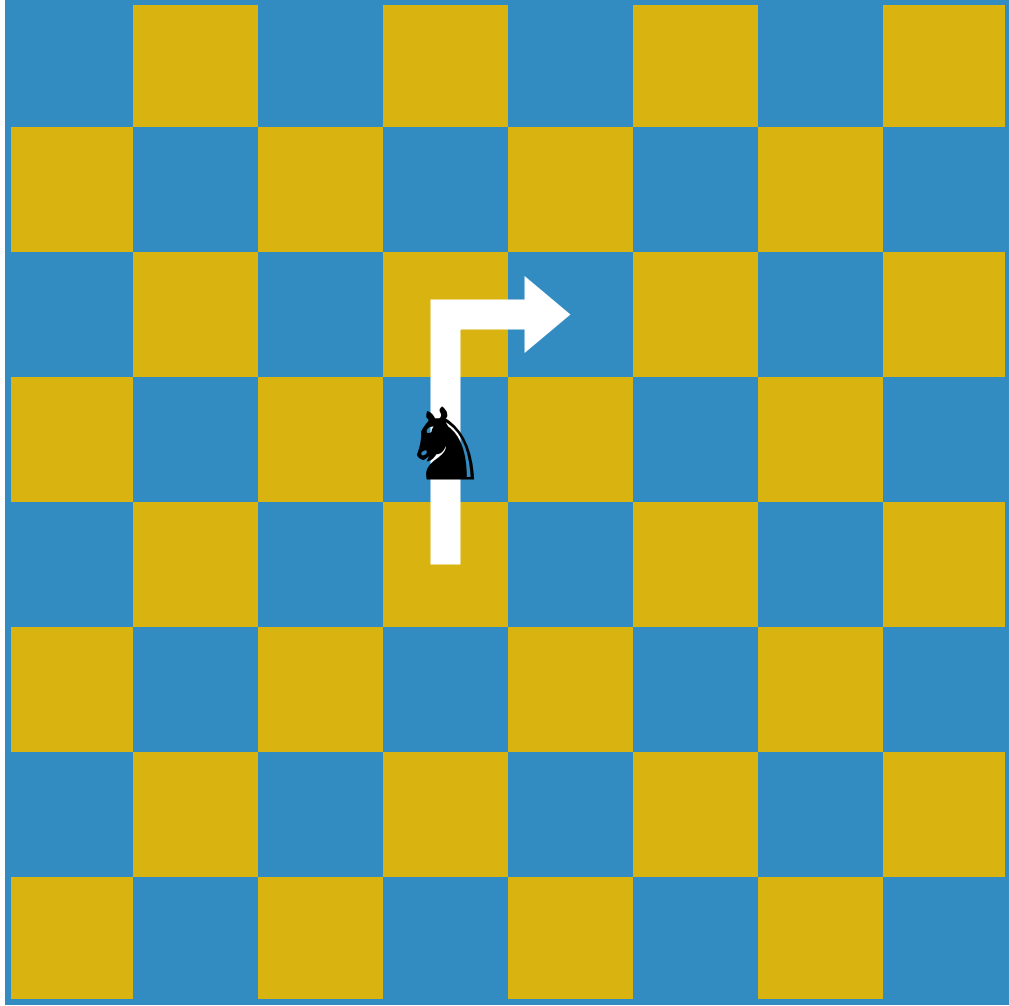
Some text again  
in the third  
column

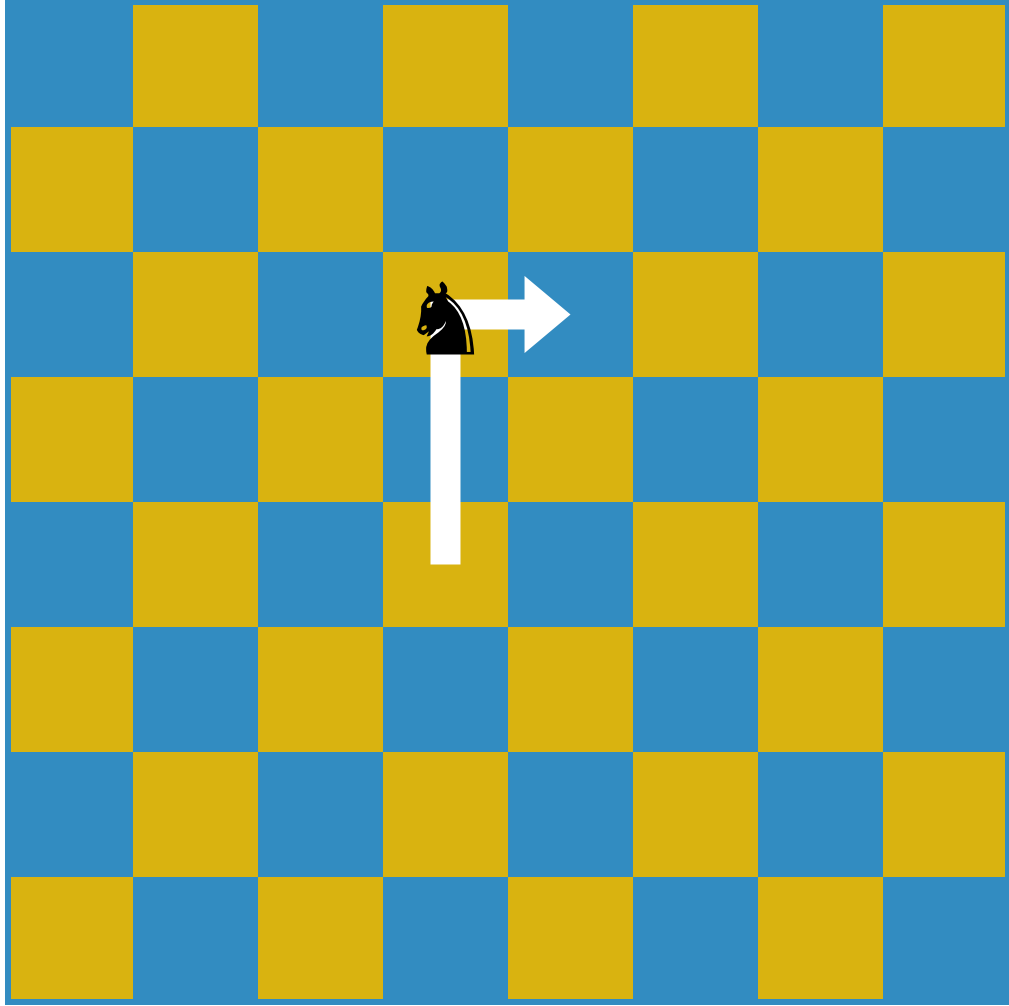


Path demo

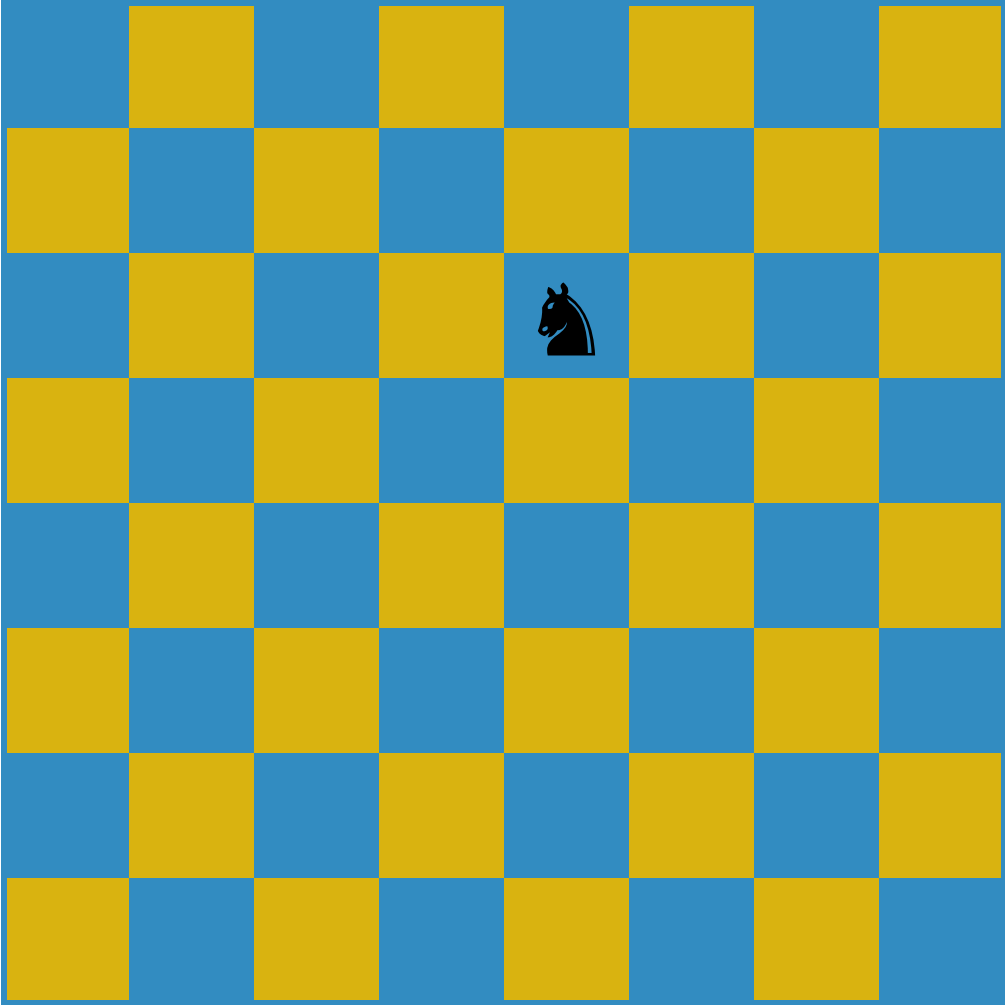












## Position demo

	Fixed position (x=200)	
	Ratio (x='50%')	
	Align (x='[50%]')	

## Size demo

Fixed size (width=200)		
Ratio (width='50%')		
Fill (width='fill')		
Fill (width='fill')	Fill (width='fill(3)')	Fill (width='fill(2)')

Have a nice day!