

Sass



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**Ruby Installer from
www.rubyinstaller.org/downloads**

SCSS v/s SASS

in scss the syntaxes are similar to css

**in sass the syntaxes you should not add
curly braces & semicolons**



Variables in SASS

numbers	<code>\$myNum: 10px , 1em, .25in</code>
strings	<code>\$myName: "your product name"</code>
color	<code>\$myFavCol: blue</code>
boolean	<code>\$myTruth: false</code>
nulls	<code>\$myVar: null</code>
lists	<code>\$myList: 2px solid red, 2px 1px 5px 0px</code>



Nesting in SASS

```
.mainBox{  
  width:450px;
```

```
.subBox{  
  width:100px;
```

```
    &:hover{  
      background-color:orange;  
    }
```

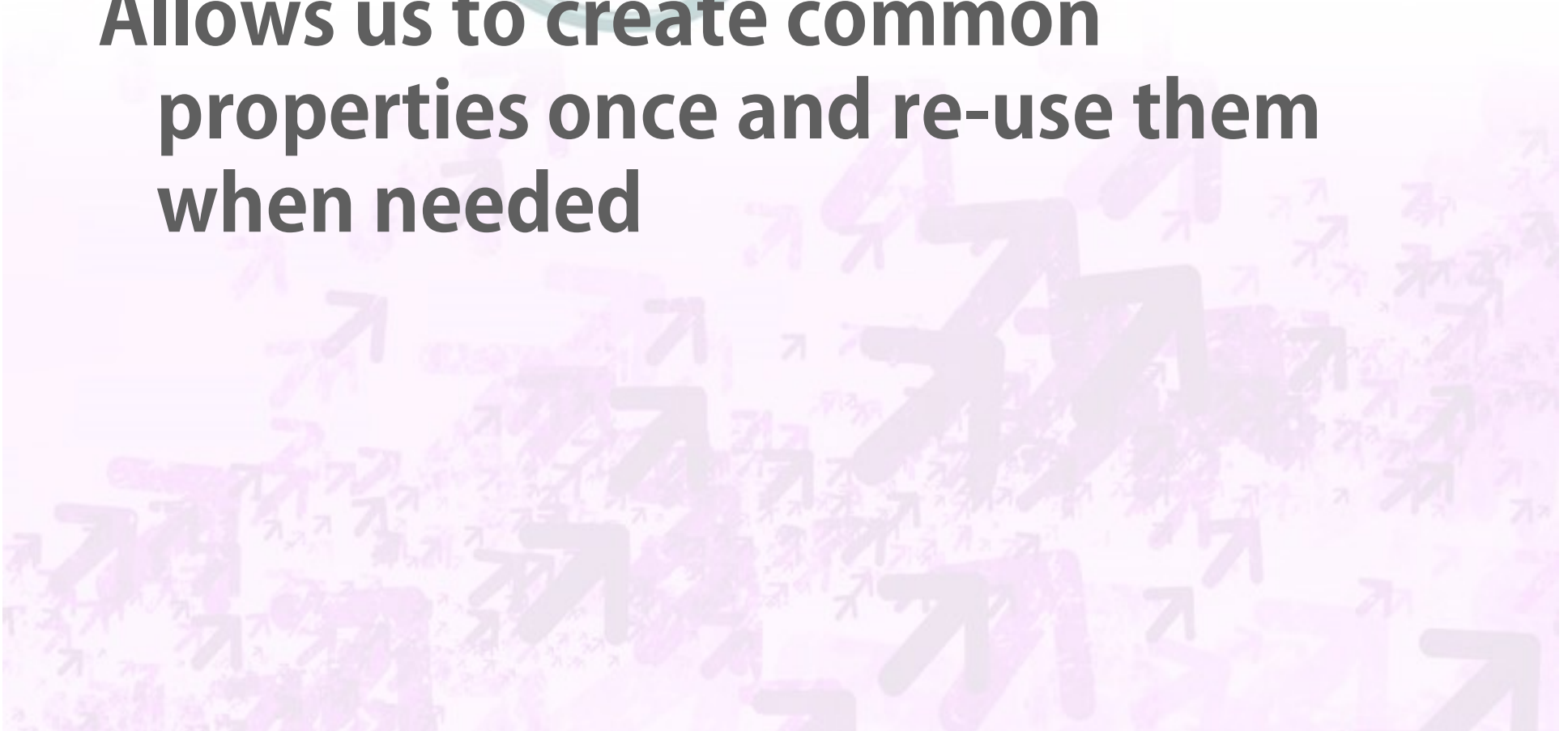
```
  }
```

```
}
```



What Are Mixins ?

Allows us to create common properties once and re-use them when needed





Mixins in SASS

declared mixins with `"@mixin"`
later use them with `"@include"`

```
@mixin commonBdrPad{  
  border: 2px solid red;  
  padding: 10px;  
}
```

```
.boxer1{  
  @include commonBdrPad;  
  font-size:14px;  
}
```

```
.boxer2{  
  @include commonBdrPad;  
  font-size:24px;  
}
```



Operators in SASS

add

```
$initialColor = #ff0000;  
$initialColor + #00ff00;  
(color addition  
works in 3.4x version)
```

subtract

```
$initialValue = 10px;  
$initialValue - 5;
```

multiply

```
$initialValue = 10px;  
$initialValue * 2;
```

division

```
$initialVal = 10;  
$ initialVal / 2;
```

expression

```
$initialVal = 10px;  
border-width : ($initialVal + 50)/6;
```

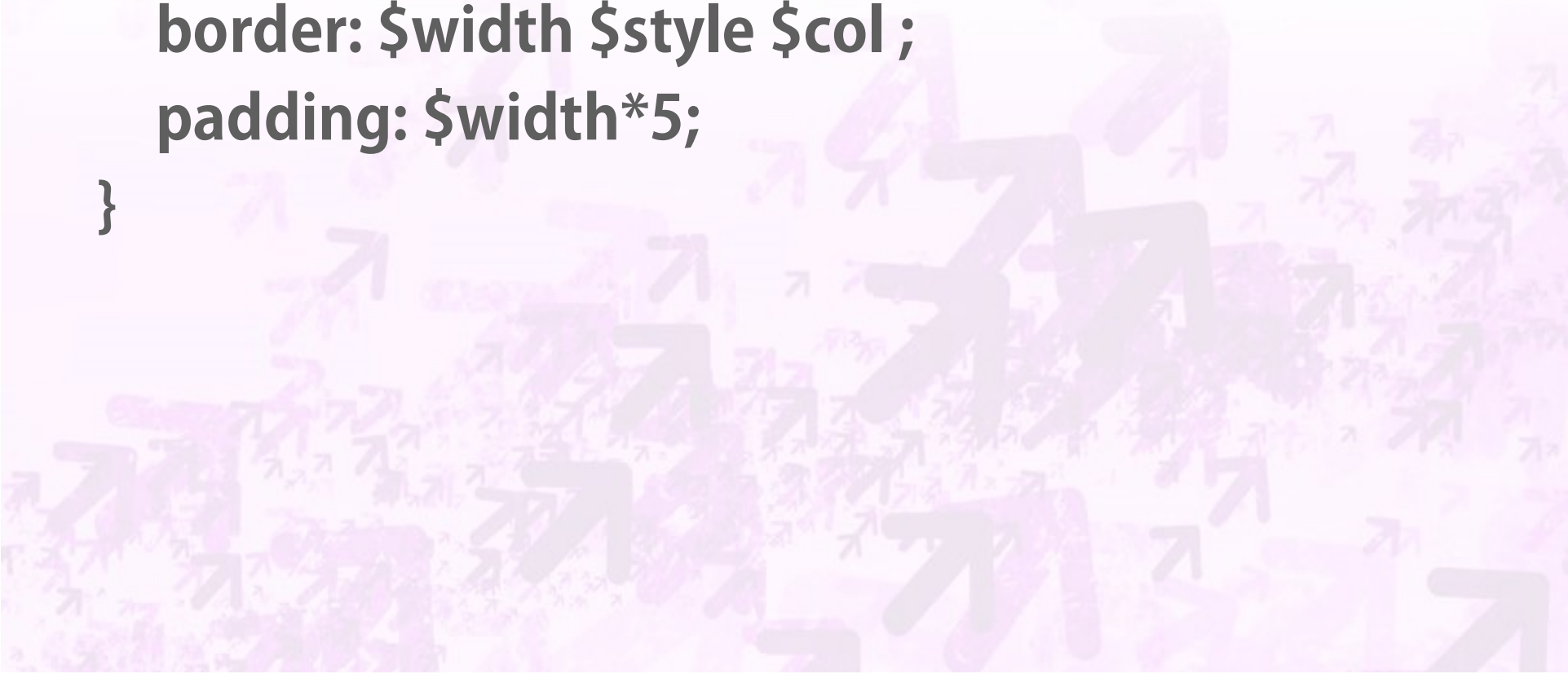
condition

```
$user : admin;  
$color : if ($user == 'admin', #ff0000,  
             #00ff00)
```



Advanced mixins in SASS

```
@mixin commonBdrPad( $width, $style, $col ){  
  border: $width $style $col;  
  padding: $width*5;  
}
```





Partials

Create a sass or scss file

`_fileName.scss`

The underscore prefix will instruct the compiler not to compile that file to css if its not used with any import statement

Now you can

`@import "fileName"`

(note: the file is called `_fileName.scss` and is in the same location)



Thank you

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