

Using loops

each loop:

The `@each` method calls a function for each element in an variable.

The `@each` method is not executed for empty elements.

for loop:

Loops can execute a block of code a number of times.

Loops are handy, if you want to run the same code over and over again, each time with a different value.

Often this is the case when working with arrays:

Example:

Create new file `_colors.scss` in shinabi folder

```
@each $key, $val in $colors {  
  .text-#{$key} {  
    color: $val;  
  }  
  .bg-#{$key} {  
    background-color: $val;  
  }  
  
  // light variations  
  @for $i from 1 through 9 {  
    .text-#{$key}-light-#{$i} {  
      color: mix(white, $val, $i * 10);  
    }  
    .bg-#{$key}-light-#{$i} {  
      background-color: mix(white, $val, $i * 10);  
    }  
  }  
  
  // dark variations  
  @for $i from 1 through 9 {  
    .text-#{$key}-dark-#{$i} {  
      color: mix(black, $val, $i * 10);  
    }  
  }  
}
```

```

    }
    .bg-#{key}-dark-#{i} {
      background-color: mix(black, $val, $i * 10);
    }
  }
}

```

Index.html file

```

<!-- colors -->
<h2>Colors</h2>
<span class="text-primary">primary text</span> |
<span class="text-secondary">secondary text</span> |
<span class="text-error">error text</span> |
<span class="text-info">info text</span> |
<span class="text-blue">blue text</span> |
<span class="text-red">red text</span> |
<span class="text-green">green text</span> |
<span class="text-yellow">yellow text</span> |
<span class="text-purple">purple text</span> |
<span class="text-orange">orange text</span> |
<span class="text-gray">gray text</span>

<br><br>

<span class="bg-primary text-white">bg primary</span> |
<span class="bg-secondary text-white">bg secondary</span> |
<span class="bg-error text-white">bg error</span> |
<span class="bg-info text-white">bg info</span> |
<span class="bg-blue text-white">bg blue</span> |
<span class="bg-red text-white">bg red</span> |
<span class="bg-green text-white">bg green</span> |
<span class="bg-yellow text-white">bg yellow</span> |
<span class="bg-purple text-white">bg purple</span> |
<span class="bg-orange text-white">bg orange</span> |
<span class="bg-gray text-white">bg gray</span> |

<br><br>

<span class="bg-primary-dark-8 text-white">primary dark 8</span> |
<span class="bg-primary-dark-6 text-white">primary dark 6</span> |
<span class="bg-primary-dark-4 text-white">primary dark 4</span> |
<span class="bg-primary-dark-2 text-white">primary dark 2</span> |
<span class="bg-primary text-white">primary</span> |
<span class="bg-primary-light-2 text-white">primary light 2</span> |
<span class="bg-primary-light-4 text-white">primary light 4</span> |
<span class="bg-primary-light-6 text-white">primary light 6</span> |
<span class="bg-primary-light-8 text-white">primary light 8</span> |

```

Browser

Colors

primary text | secondary text | error text | info text | blue text | red text | green text | yellow text | purple text | orange text | gray text

bg primary | bg secondary | bg error | bg info | bg blue | bg red | bg green | bg yellow | bg purple | bg orange | bg gray |

primary dark 8 | primary dark 6 | primary dark 4 | primary dark 2 | primary | primary light 2 | primary light 4 | primary light 6 | primary light 8 |

Cards

This is a title

Lorem ipsum dolor sit, amet
consectetur adipiscing elit. In sunt, quo
totam aliquam praesentium ducimus
tempore sapiente quia nulla optio?
Lorem ipsum, dolor sit amet
consectetur adipiscing elit. Libero
laboriosam laborum exercitationem
autem commodi voluptas odio aliquid
ut velit doloreque minima, quaerat
dolores, corporis consequuntur totam
nam id veniam maxime.

Activate Windows

Index.css file in generate classes **output**

```
.text-primary {  
  color: #326dee;  
}  
  
.bg-primary {  
  background-color: #326dee;  
}  
  
.text-primary-light-1 {  
  color: #477cf0;  
}  
  
.bg-primary-light-1 {  
  background-color: #477cf0;  
}  
  
.text-primary-light-2 {  
  color: #5b8af1;  
}  
  
.bg-primary-light-2 {  
  background-color: #5b8af1;  
}  
  
.text-primary-light-3 {  
  color: #7099f3;  
}  
  
.bg-primary-light-3 {  
  background-color: #7099f3;  
}
```

```
.text-primary-light-4 {  
  color: #84a7f5;  
}  
  
.bg-primary-light-4 {  
  background-color: #84a7f5;  
}  
  
.text-primary-light-5 {  
  color: #99b6f7;  
}  
  
.bg-primary-light-5 {  
  background-color: #99b6f7;  
}  
  
.text-primary-light-6 {  
  color: #adc5f8;  
}  
  
.bg-primary-light-6 {  
  background-color: #adc5f8;  
}  
  
.text-primary-light-7 {  
  color: #c2d3fa;  
}  
  
.bg-primary-light-7 {  
  background-color: #c2d3fa;  
}  
  
.text-primary-light-8 {  
  color: #d6e2fc;  
}  
  
.bg-primary-light-8 {  
  background-color: #d6e2fc;  
}  
  
.text-primary-light-9 {  
  color: #ebf0fd;  
}  
  
.bg-primary-light-9 {  
  background-color: #ebf0fd;  
}
```

