HIGHLIGHTING

Rich will automatically highlight patterns in text, such as numbers, strings, collections, booleans, None, and a few more exotic patterns such as file paths, URLs and UUIDs.

You can disable highlighting either by setting `highlight=False` on *print()* or *log()*, or by setting `highlight=False` on the *Console* constructor which disables it everywhere. If you disable highlighting on the constructor, you can still selectively *enable* highlighting with `highlight=True` on print / log.

6.1 Custom Highlighters

If the default highlighting doesn't fit your needs, you can define a custom highlighter. The easiest way to do this is to extend the *RegexHighlighter* class which applies a style to any text matching a list of regular expressions.

Here's an example which highlights text that looks like an email address:

```python
from rich.console import Console
from rich.highlighter import RegexHighlighter
from rich.theme import Theme

class EmailHighlighter(RegexHighlighter):
    """Apply style to anything that looks like an email."""

    base_style = "example."
    highlights = [r"(?P<email>[\w-]+@([\w-]+\.)+[\w-]+)"]


theme = Theme({"example.email": "bold magenta"})
console = Console(highlighter=EmailHighlighter(), theme=theme)
console.print("Send funds to money@example.org")
```

The `highlights` class variable should contain a list of regular expressions. The group names of any matching expressions are prefixed with the `base_style` attribute and used as styles for matching text. In the example above, any email addresses will have the style "example.email" applied, which we've defined in a custom *Theme*.

Setting the highlighter on the Console will apply highlighting to all text you print (if enabled). You can also use a highlighter on a more granular level by using the instance as a callable and printing the result. For example, we could use the email highlighter class like this:

```python
console = Console(theme=theme)
highlight_emails = EmailHighlighter()
console.print(highlight_emails("Send funds to money@example.org"))
```