Presentations with Marp

Helpful hints for creating Presentations.

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IIT PALAKKAD

Even I don't know why I have used the IIT PKD logo there.

Features

- **Slides are written in Markdown.**
- Cross-platform. Supports Windows, Mac, and Linux
- Live Preview with 3 modes
- Slide themes (`default` , `gaia`) and custom background images
- Supports emojis ❤️.
- Render maths in your slides
- Export your slides to PDF

How to write slides?

Split slides by horizontal ruler `---`. It's very simple.

```
# Slide 1

foobar

---

# Slide 2

foobar
```

> Notice: Ruler (`<hr>`) is not displayed in Marp.

Directives

Marp's Markdown has extended directives to affect slides.

Insert HTML comment as below:

```
<!-- {directive_name}: {value} -->
```

```
<!--
{first_directive_name}:  {value}
{second_directive_name}: {value}

...
-->
```

Global Directives

`$theme`

Changes the theme of all the slides in the deck. You can also change from `View -> Theme` menu.

```
<!-- $theme: gaia -->
```

Theme name	Value	Directive
Default	default	`<!-- $theme: default -->`
Gaia	gaia	`<!-- $theme: gaia -->`

`$width` / `$height`

Changes width and height of all the slides.

You can use units: `px` (default), `cm` , `mm` , `in` , `pt` , and `pc` .

```
<!-- $width: 12in -->
```

`$size`

Changes slide size by presets.

Presets: `4:3` , `16:9` , `A0` - `A8` , `B0` - `B8` and suffix of `-portrait` .

```
<!-- $size: 16:9 -->
```

Page Directives

The page directive would apply to the **current page and the following pages**.
You should insert it *at the top* to apply it to all slides.

`page_number`

Set `true` to show page number on slides. *See lower right!*

```
<!-- page_number: true -->
```

`template`

Set to use template of theme.

The `template` directive just enables that using theme supports templates.

```
<!--
$theme: gaia
template: invert
-->

Example: Set "invert" template of Gaia theme.
```

`footer`

Add a footer to the current slide and all of the following slides

```
<!-- footer: This is a footer -->
```

Example: Adds "This is a footer" in the bottom of each slide

`prerender`

Pre-renders a slide, which can prevent issues with very large background images.

```
<!-- prerender: true -->
```

Pro Tips

Apply page directive to current slide only

Page directive can be selectively applied to the current slide by prefixing the page directive with `*` .

```
<!-- *page_number: false -->
<!-- *template: invert -->
```

Slide background Images

You can set an image as a slide background.

```
![bg](mybackground.png)
```

Options can be provided after `bg` , for example `![bg original](path)` .

Options include:

- `original` to include the image without any effects
- `x%` to include the image at `x` percent of the slide size

Include multiple `![bg](path)` tags to stack background images horizontally.

Maths Typesetting

Mathematics is typeset using the `KaTeX` package. Use `$` for inline maths, such as $ax^2 + bc + c$, and `$$` for block maths:

$$I_{xx} = \int\int_R y^2 f(x,y) \cdot dydx$$

```
This is inline: $ax^2+bx+c$, and this is block:

$$I_{xx}=\int\int_Ry^2f(x,y)\cdot{}dydx$$
```

Codecs Typesetting

Include code snippets in your presentations to make them more appealing.

```c
void main(){
    int i = 5, j = 6;
    printf("%d", i + j);
    return ()
}
```

```cpp
int main ()
{
  int i;
  cout << "Please enter an integer value: ";
  cin >> i;
  cout << "The value you entered is " << i;
  cout << " and its double is " << i*2 << ".\n";
  return 0;
}
```

Yes, it supports syntax highlighting, for multiple languages!

How to typeset Codecs

```haskell
data Foo a = Constructor1
           | Constructor2 a
           | Constructor3 [a]
```

The above snippet renders to:

```haskell
data Foo a = Constructor1
           | Constructor2 a
           | Constructor3 [a]
```

Enjoy writing slides! 👍

https://github.com/yhatt/marp

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