A QUICK START OF MARKDOWN

1. Hello, world!

What is *Lorem Ipsum*?

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took ~~a galley of type~~ and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

It was popularised in the 1960s with the release of etraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.

2. Mathematical formula

Some examples of mathematical formula:

$$\int_{-\infty}^{\infty} e^{-x^2} = \sqrt{\pi} \tag{2.1}$$

$$f(x) = sin(x) + 12 \tag{2.2}$$

$$e^{i\theta} = sin(\theta) + icos(\theta) \tag{2.3}$$

$$\frac{x-1}{x+1} \tag{2.4}$$

$$\sum_{i}^{n} n^2 \tag{2.5}$$

$$\begin{aligned} y &= (x+5)^2 - (x+1)^2 \\ &= (x^2 + 10x + 25) - (x^2 + 2x + 1) \\ &= 8x + 24 \end{aligned} \tag{2.7}$$

$$\begin{cases} k_{11}x_1 + k_{12}x_1 + \cdots + k_{1n}x_1 = b_1 \\ k_{21}x_1 + k_{22}x_1 + \cdots + k_{2n}x_1 = b_2 \\ \cdots \\ k_{n1}x_1 + k_{n2}x_1 + \cdots + k_{nn}x_1 = b_n \end{cases} \tag{2.8}$$

$$\begin{bmatrix} 1 & 1 & \cdots & 1 \\ 1 & 1 & \cdots & 1 \\ \vdots & \vdots & \ddots & \vdots \\ 1 & 1 & \cdots & 1 \end{bmatrix} \tag{2.9}$$

For more information on mathematical formula, see:
https://oeis.org/wiki/List_of_LaTeX_mathematical_symbols

3. Figures

Below is a table for using math letters with markdown:

Symbol	LaTeX	Symbol	LaTeX
A and α	\Alpha and \alpha	N and ν	\Nu and \nu
B and β	\Beta and \beta	Ξ and ξ	\Xi and \xi
Γ and γ	\Gamma and \gamma	O and o	\Omicron and \omicron
Δ and δ	\Delta and \delta	Π, π and ϖ	\Pi, \pi and \varpi
E, ϵ and ε	\Epsilon, \epsilon and \varepsilon	P, ρ and ϱ	\Rho, \rho and \varrho
Z and ζ	\Zeta and \zeta	Σ, σ and ς	\Sigma, \sigma and \varsigma
H and η	\Eta and \eta	T and τ	\Tau and \tau
Θ, θ and ϑ	\Theta, \theta and \vartheta	Υ and υ	\Upsilon and \upsilon
I and ι	\Iota and \iota	Φ, ϕ, and φ	\Phi, \phi and \varphi
K, κ and $\varkappa$	\Kappa, \kappa and \varkappa	X and χ	\Chi and \chi
Λ and λ	\Lambda and \lambda	Ψ and ψ	\Psi and \psi
M and μ	\Mu and \mu	Ω and ω	\Omega and \omega

Method to resize a figure:

Symbol	LaTeX	Symbol	LaTeX
A and α	\Alpha and \alpha	N and ν	\Nu and \nu
B and β	\Beta and \beta	Ξ and ξ	\Xi and \xi
Γ and γ	\Gamma and \gamma	O and o	\Omicron and \omicron
Δ and δ	\Delta and \delta	Π, π and ϖ	\Pi, \pi and \varpi
E, ϵ and ε	\Epsilon, \epsilon and \varepsilon	P, ρ and ϱ	\Rho, \rho and \varrho
Z and ζ	\Zeta and \zeta	Σ, σ and ς	\Sigma, \sigma and \varsigma
H and η	\Eta and \eta	T and τ	\Tau and \tau
Θ, θ and ϑ	\Theta, \theta and \vartheta	Υ and υ	\Upsilon and \upsilon
I and ι	\Iota and \iota	Φ, ϕ, and φ	\Phi, \phi and \varphi
K, κ and $\varkappa$	\Kappa, \kappa and \varkappa	X and χ	\Chi and \chi
Λ and λ	\Lambda and \lambda	Ψ and ψ	\Psi and \psi
M and μ	\Mu and \mu	Ω and ω	\Omega and \omega

4. Table

左对齐	居中	右对齐
2	3	5
10	100	1000
e^i	π	x^2

5. Quote

> "Imagination is more important than knowledge"
> by Albert Einstein

6. Code blocks

```
print("Hello world!")
```

```
function add(x, y){
    return x + y
}
```

7. References

Official documents: https://shd101wyy.github.io/markdown-preview-enhanced/#/
Markdown学习笔记: https://orangex4.cool/post/notes-in-markdown/