# DOC-ORG: Docker, Org Mode, Latex

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# 1 section

This example shows what you can do with a minimal `header.tex` file. To change the aspect of what you see, edit it!

# 2 some code

If you specify the programming language, code syntax is highlighted.

```c
int main()
{
    printf("hello world\n");
}
```

```python
# This program prints Hello, world!
print('Hello, world!')
```

# 3 Some math

You can insert latex equation, like equation **??**.

$$\phi = \frac{2\pi f D}{c} \tag{1}$$

## 3.1 Other latex equations

Equation **??** reference.

$$D = \frac{c\phi}{2\pi f} \tag{2}$$

### 3.1.1 A more complicated equation

$$\Delta TOF_{est} = \frac{k_T TOF}{1 + k_T} - 0.5\frac{\mu'_A - \mu'_T}{1 + k_T}. \tag{3}$$

# 4 tables

look how cute is this simple table:

| one | two |
|----:|----:|
| 1 | 2 |
| 3 | 4 |

Table 1: You can add captions to your tables

| Anchor | MAE | Correlation | MMA | MAPE | RMSE |
|---|---|---|---|---|---|
| a1 | 6.871 | -0.372 | 1.164 | 0.157 | 8.515 |
| a2 | 5.275 | 0.329 | 1.127 | 0.117 | 6.332 |
| a3 | 5.406 | 0.672 | 1.117 | 0.114 | 6.457 |

# 5 Images

You can insert image, for example see image **??**.

## 5.1 image matrix

In image **??** you can find an example of how to combine different images into one in latex.