

# intro

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## 1 Intro

This is a short introduction to what Org mode can do.

## 2 Outlines

### 2.1 Hiding with repeated TAB or S-TAB

TAB on a heading will toggle its visibility; three dots (ellipsis) denotes material is hidden shift works the whole document

### 2.2 rearranging headings

Try moving sections around

### 2.3 Promotion / demotion M-S-arrow

Levels of headings can be dynamically altered. Affects all subtrees, e.g. this one.

#### 2.3.1 Example of third-level heading

### 2.4 navigating headings

- C-c C-n next heading
- C-c C-f next heading, same level
- C-c C-u up a level

## 3 Formatting

### 3.1 Recognises simple formats

e.g. **bold text** *italics* underscore some verbatim text and some code.

$$\alpha + \beta = \gamma$$

### 3.2 Math formatting recognised upon export

Even in html, using nice math support

$$\frac{1}{\sqrt{2\pi\sigma^2}}e^{-\frac{(x-\mu)^2}{2\sigma^2}}$$

## 4 Lists

Org mode handles unordered lists, such as:

- apples
- oranges
- bananas

and ordered lists such as:

1. oranges
2. apples
3. bananas

In both cases, you can rearrange the list order using M-S-up/down. You can add new items with M-RET, or when you kill items, hit **C-c C-c** to reformat lists.

## 5 Tables and spreadsheets

Org mode has nice support for editing tables. e.g. let's make a price list from the above data. We'll recreate the following table dynamically so that you can see how it is built up.

item	weight (kg)
apples	0.7
bananas	0.3
oranges	0.2
<hr/>	
item	weight (kg)
apples	0.7
bananas	0.3
oranges	0.2

Even better, we can even get org mode to add up the weights and add some nice horizontal separators.

item	weight (kg)
apples	0.7
bananas	0.3
oranges	0.7
total	1.7

If you change the values in the table, hit **C-u C-c C-c** in the table to recalculate. To help with table calculations, you might wish to label col/rows:

`(org-table-toggle-coordinate-overlays)`

These overlays are temporary.

- Export We can export the org file into several formats, such as pdf (via latex), html, or ASCII.