# My First LaTeX Document

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We have not added a title, author and date to our first LaTeX document! First document. This is a simple example, with no extra parameters or packages included.

Some of the **greatest** athletes are the best people.

One of my favorite books is *Angels and Deamons* by Dan Brown

To add stress to a word people my underline something like <u>this</u>.

Some of the greatest *discoveries* in science were made by accident.

*Some of the greatest* disoveries *in science were made by accident.*

**Some of the greatest *discoveries* in science were made by mistake**



Figure 1: Blonde Brent

As you can see in the figure 1, this is a picture when Brent had blonde hair. Also, on page 1 is the same example.

- The individual entries are indicated with a black dot, a so-called bullet.

- The text in the entries may be of any length

1. This is the first entry in the list

2. The list numbers increase with each entry we add

In physics, the mass-engery equivalence is stated by the equation $E = mc^2$, discovered in 1905 by Albert Einstein.

The mass-energy equivalence is described by the famous equation

$$E = mc^2$$

discovered in 1905 by Albert Einstein. In natural units ($c = 1$), the formula expresses the identity

$$E = m \tag{1}$$

Subscripts in math mode are written as $a_b$ and superscripts are written as $a^b$. These can be combined an nested to write expressions such as

$$T^{i_1 i_2 \ldots i_p}_{j_1 j_2 \ldots j_q} = T(x^{i_1}, \ldots, x^{i_p}, e_{j_1}, \ldots, e_{j_q})$$

We write integrals using $\int$ and fractions using $\frac{a}{b}$. Limits are placed on integrals using superscripts and subscripts:

$$\int_0^1 \frac{dx}{e^x} = \frac{e-1}{e}$$

Lower case Greek letters are written as $\omega$ $\delta$ etc. while upper case Greek letters are written as $\Omega$ $\Delta$.

Mathematical operators are prefixed with a backslash as $\sin(\beta)$, $\cos(\alpha)$, $\log(x)$ etc.

### Abstract

This is a simple paragraph at the beginning of the document. A brief introduction to the main subject.

Now the we have written our abstract, we can begin writing our first paragraph.

This line will start a second paragraph.

# 1 Introduction

This is the first section.

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortisfacilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdietmi nec ante. Donec ullamcorper, felis non sodales...

# 2  Second Section

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisissem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi necante...

## 2.1  First Subsection

Praesent imperdietmi nec ante. Donec ullamcorper, felis non sodales...

# Unnumbered Section

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisissem

| Cell 1 | Cell 2 | Cell 3 |
|--------|--------|--------|
| Cell 4 | Cell 5 | Cell 6 |
| Cell 7 | Cell 8 | Cell 9 |