Hello world! What happens to funny spacing? Is it preserved?

First line.
Second line.
Third Line.

italic *this way*

boldface **like this**

subscript~lower~

superscript^raised^

strikethrough ~~for mistaks~~

#First level

##Second level

...

######Six level!

lists are easy

- first item
- second item
- third item, and yes it will keep everything aligned, just as it should be for longer text!
    - subitem
        - sub-subitem

> *All musicians are subconciously mathematicians*

The Thelonious Monk

Use single backtick for in-line emphasis `like this`.

Show literal text as `3 + pi`.

Start with r to get it to run r code like this 6.1415927.

Code fencing

```
#Comments are important!
pred <- seq(1,10) # make a vector of integers from 1 to 10
response <- runif(10)
print(response)

# now plot a graph
plot(x=pred, y=response, type="b")
```


```
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##Links

http://example.com

linked phrase

A linked phrase

Images

##Tables

FIRST HEADER	SECOND HEADER
Content Cell	Content Cell
Content Cell	Content Cell

```
library(knitr)
kable(head(iris))
```

Sepal.Length Sepal.Width Petal.Length Petal.Width Species

5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa

######Head command says to use first 6 lines of information (i.e. first 6 lines of data from iris dataset) ##Creating equations with `LaTex`

An `inline` equation is bracketed by single dollar signs $3 + 5 = 8$ like this.

For more complex equations, we will render them on a single line by using a double dollar sign to bracket them:

$$3 + 5 = 8$$

Keeps this as a stand-alone piece.

Subscripts as follows:

$$H_0 = Z{a + b{3z}}$$

##Fractions and Greek symbols

$$\alpha = \frac{\beta}{\delta + \gamma_{x=3}}$$

##Summation Sign

$$z=\sum_{i=1}^{J-1}{K_i}$$

##Escaping backslash character

$$ \backslash \alpha \le b \backslash$$

##Mixing plain text in LaTex

$$P(\mbox{Occurrence Of Species A}) = Z$$