# **Sample Document for Markdown Conversion Testing**

*Created for testing purposes*

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## **Introduction**

This document demonstrates various Markdown elements for testing conversion to DOCX and back to Markdown. It includes headers, lists, tables, text formatting, and other elements that should be preserved during conversion.

This paragraph contains **bold** and *italic* text, as well as ***bold and italic*** text. Some text can be monospaced for emphasis.

## **Text Formatting**

This section demonstrates various text formatting options.

Regular text. **Bold text.** *Italic text.* ***Bold and italic text.*** ~~Strikethrough text.~~

This is a paragraph with a line break.  
 This is a new line in the same paragraph (created with two trailing spaces).

## **Lists**

### **Bulleted List**

Below is a simple bulleted list:

* First bullet item
* Second bullet item
* Third bullet item with nested elements:
  + First nested item
  + Second nested item

### **Numbered List**

Below is a simple numbered list:

1. First numbered item
2. Second numbered item
3. Third numbered item with nested elements:
   1. First nested numbered item
   2. Second nested numbered item

### **Mixed List**

1. First numbered item
2. Second numbered item
   * Nested bullet item
   * Another nested bullet item
3. Third numbered item

### **Task List**

* [x] Completed task
* [ ] Incomplete task
* [ ] Another incomplete task

## **Tables**

Below is a sample table with various formatting:

**Table with Alignment**

| **Left-aligned** | **Center-aligned** | **Right-aligned** |
| --- | --- | --- |
| Left | Center | Right |
| Left | Center | Right |

### **Complex Table**

| **Region** | **Q1** | **Q2** | **Total** |
| --- | --- | --- | --- |
| North | $10,000 | $12,000 | $22,000 |
| South | $8,000 | $9,000 | $17,000 |
| Grand Total | $18,000 | $21,000 | $39,000 |

## **Blockquotes**

This is an example of text that should appear as a blockquote. It can span multiple lines.

It can also have multiple paragraphs.

And nested blockquotes.

## **Code Blocks**

Inline code looks like this: print("Hello, World!").

Below is an example of a code block:

def hello\_world():

print("Hello, World!")

hello\_world()

Here's another code block with no language specification:

This is a plain code block

with no syntax highlighting

## **Links and Images**

[This is a link to GitHub](https://github.com/)

[This is a link with title](https://google.com/)

Reference-style links look like [this](https://www.example.com/).

Image syntax looks like this (note: when pasted to Google Docs, this likely won't show, but the markup should be preserved):

Alt text for the image

## **Nested Sections**

This section demonstrates nested section headings.

### **Subsection Level 2**

This is content at heading level 2.

#### **Subsection Level 3**

This is content at heading level 3.

##### **Subsection Level 4**

This is content at heading level 4.

###### **Subsection Level 5**

This is content at heading level 5.

### **Another Subsection Level 2**

Another subsection at heading level 2.

## **Extended Elements**

### **Definition Lists**

Definition lists are challenging for markdown conversion:

**Markdown** : A lightweight markup language with plain text formatting syntax.

**DOCX** : A file format for word processing documents used by Microsoft Word.

### **Footnotes**

This paragraph has a footnote[^1].

This paragraph has another footnote[^2].

[^1]: This is the footnote text. [^2]: This is another footnote with some additional text to make it longer.

### **Horizontal Rules**

Three different ways to create horizontal rules:

### **Comments**

<!-- This is a comment that shouldn't appear in the rendered output -->

### **Math (may not be supported in all Markdown processors)**

Inline equation: $E = mc^2$

Block equation:

$$ \sum\_{i=1}^{n} i = \frac{n(n+1)}{2} $$

*End of document*