# MarkItDown

**Any document to Markdown code for LLMs**

**(1)** **MarkItDown** is a python utility for converting various files to Markdown

**Supports:**

- PDF
- PowerPoint
- Word
- Excel
- Images

- Audio
- HTML
- Text-based formats (CSV, JSON, XML)
- ZIP files

```python
from markitdown import MarkItDown
md = MarkItDown()
result = md.convert("test.xlsx")
print(result.text_content)
```

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# MarkItDown

**2** For image descriptions, you can use Large Language Models (LLMs)

```python
from markitdown import MarkItDown
from openai import OpenAI

client = OpenAI()
md = MarkItDown(llm_client=client, llm_model="gpt-4o")
result = md.convert("example.jpg")
print(result.text_content)
```

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## 3  Batch Processing Multiple Files at Once

```python
from markitdown import MarkItDown
from openai import OpenAI
import os
client = OpenAI(api_key="your-api-key-here")
md = MarkItDown(llm_client=client, llm_model="gpt-4o-2024-11-20")
supported_extensions = ('.pptx', '.docx', '.pdf', '.jpg', '.jpeg', '.png')
files_to_convert = [f for f in os.listdir('.') if
                    f.lower().endswith(supported_extensions)]
for file in files_to_convert:
    print(f"\nConverting {file}...")
    try:
        md_file = os.path.splitext(file)[0] + '.md'
        result = md.convert(file)
        with open(md_file, 'w') as f:
            f.write(result.text_content)

        print(f"Successfully converted {file} to {md_file}")
    except Exception as e:
        print(f"Error converting {file}: {str(e)}")

print("\nAll conversions completed!")
```

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