


Read Most Commonly Used File Formats in Python

1. CSV file



```
>>> import csv
>>> with open("file.csv") as file:
...     content = csv.reader(file)
...     for row in content:
...         print(row)
...
['index', 'key', 'value']
['1', 'a', 'data']
['2', 'b', 'hello']
```

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2. JSON file

```
{  
  "python": 0,  
  "learning": 1  
}
```

```
>>> import json  
>>> with open("file.json") as file:  
...     content = json.load(file)  
...  
>>> content.get("python")  
0  
>>> content.get("learning")  
1  
>>> print(content.get("n"))  
None
```

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3. XML file

```
<root>
  <key>Python</key>
  <value>Learning</value>
</root>
```

```
>>> import xml.etree.ElementTree as ET
>>> content = ET.parse("file.xml")
>>> root = content.getroot()
>>> for child in root:
...     print(child.tag, child.text)
...
key Python
value Learning
```

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4. Docx file



```
>>> import docx2txt
>>> content = docx2txt.process("file.docx")
>>> print(content)
Hello there
```

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5. PDF file



```
>>> from PyPDF2 import PdfFileReader
>>> file = open("file.pdf", "rb")
>>> content = PdfFileReader(file)
>>> text = content.getPage(0)
>>> text.extractText()
''
>>> content.numPages
1
```