

# PDF Document Example

Generated with Python fpdf2 Library

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## Introduction

This document demonstrates how to create PDF files using Python. PDF generation is useful for creating reports, invoices, documents, and any other printable content programmatically.

Python offers several libraries for working with PDFs:

- fpdf2 - Simple PDF generation
- ReportLab - Advanced PDF generation
- PyPDF2 - PDF manipulation and merging
- pdfkit - HTML to PDF conversion

## Key Features

- Automatic text formatting and wrapping
- Support for multiple fonts and styles
- Image insertion capabilities
- Table creation with borders
- Page numbering and headers/footers
- Multi-page document support
- UTF-8 character support
- PDF/A compliance options

## Sample Data

Product	Category	Price	Stock
Laptop	Electronics	\$899.99	Yes
Notebook	Office	\$12.50	Yes
Coffee Mug	Home	\$8.99	No
Headphones	Electronics	\$129.99	Yes
Desk Chair	Furniture	\$249.99	Yes

Smartphone	Electronics	\$699.99	Yes
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## Conclusion

Python's PDF generation capabilities make it an excellent choice for automating document creation tasks. Whether you need to generate reports, invoices, certificates, or any other type of document, Python libraries provide the tools you need.

This simple example shows just a fraction of what's possible. You can extend this to include images, charts, different fonts, complex layouts, and much more.