

Query: generate an pdf file consist of the tables from 1 to 20

```
'''python
from fpdf import FPDF
import pandas as pd

def generate_pdf_tables(num_tables):
    pdf = FPDF()
    pdf.add_page()
    pdf.set_font("Arial", size=12)

    for i in range(1, num_tables + 1):
        data = [[f'Cell {j},{k}' for j in range(1, 6)] for k in range(1, 5)]
        df = pd.DataFrame(data)
        pdf.cell(200, 10, txt=f'Table {i}', ln=1, align='C')

        # Convert DataFrame to a string representation suitable for PDF
        table_string = df.to_string(index=False)

        # Write the string representation to the PDF
        lines = table_string.splitlines()
        for line in lines:
            pdf.multi_cell(0, 10, line)
            pdf.ln(10)

    pdf.output("tables.pdf")

generate_pdf_tables(20)
```


Relevant Links:

- Convert PDF table into an excel document? : r/ExcelTips

https://www.reddit.com/r/ExcelTips/comments/xf20tu/convert_pdf_table_into_an_excel_document/

- Dietary Guidelines for Americans, 2020-2025

[https://www.dietaryguidelines.gov/sites/default/files/2020-12/
Dietary_Guidelines_for_Americans_2020-2025.pdf](https://www.dietaryguidelines.gov/sites/default/files/2020-12/Dietary_Guidelines_for_Americans_2020-2025.pdf)

- Portable document format — Part 1: PDF 1.7

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