TYPE

Article

LINK

https://www.geeksforgeeks.org/convert-text-and-text-file-to-pdf-using-python/

ARTICLE

PDFs are one of the most important and widely used digital media. PDF stands for Portable Document Format. It uses .pdf extension. It is used to present and exchange documents reliably, independent of software, hardware, or operating system. Converting a given text or a text file to PDF (Portable Document Format) is one of the basic requirements in various projects that we do in real life. So, if you don't know how to convert a given text to PDF then this article is for you. In this article, you will come to know the way to convert text and text file to PDF in Python. FPDF is a Python class that allows generating PDF files with Python code. It is free to use and it does not require any API keys. FPDF stands for Free PDF. It means that any kind of modification can be done in PDF files. The main features of this class are:
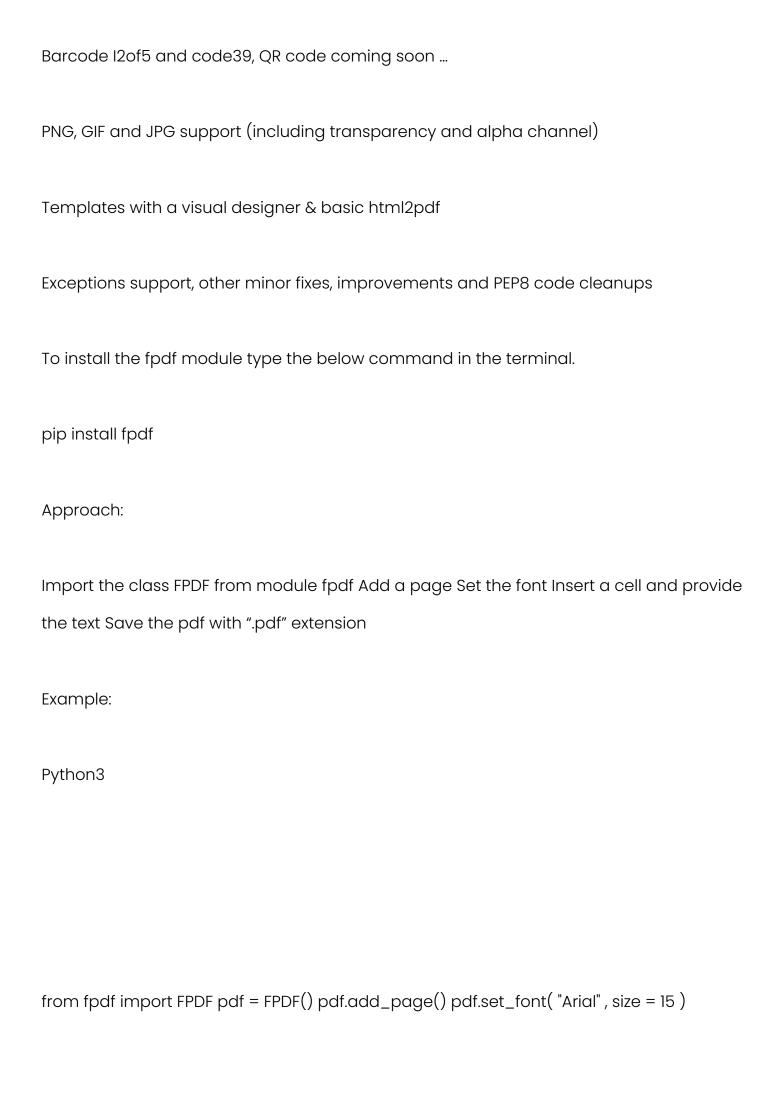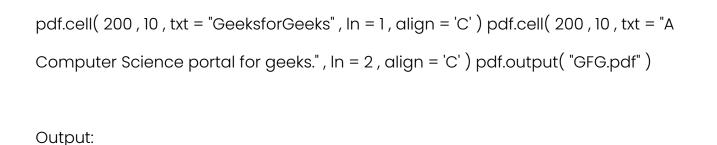
Easy to use

It allows page format and margin

It allows to manage page header and footer

Python 2.5 to 3.7 support

Unicode (UTF-8) TrueType font subset embedding

Barcode I2of5 and code39, QR code coming soon …

PNG, GIF and JPG support (including transparency and alpha channel)

Templates with a visual designer & basic html2pdf

Exceptions support, other minor fixes, improvements and PEP8 code cleanups

To install the fpdf module type the below command in the terminal.

pip install fpdf

Approach:

Import the class FPDF from module fpdf Add a page Set the font Insert a cell and provide the text Save the pdf with ".pdf" extension

Example:

Python3

from fpdf import FPDF pdf = FPDF() pdf.add_page() pdf.set_font("Arial" , size = 15)

pdf.cell(200 , 10 , txt = "GeeksforGeeks" , ln = 1 , align = 'C') pdf.cell(200 , 10 , txt = "A Computer Science portal for geeks." , ln = 2 , align = 'C') pdf.output("GFG.pdf")

Output:

Converting text file to PDF

Now if we want to make the above program more advance what we can do is that from a given text file extract the data using file handling and then insert it into the pdf file. The approach is all same as above, one thing you have to do is extract the data from a text file using file handling. Note: Refer this article to know more about file handling in Python. Example: Let's suppose the text file looks like this –

Python3

from fpdf import FPDF pdf = FPDF() pdf.add_page() pdf.set_font("Arial" , size = 15) f = open ("myfile.txt" , "r") for x in f: pdf.cell(200 , 10 , txt = x, ln = 1 , align = 'C') pdf.output("mygfg.pdf")

Output:

SUMMARY

FPDF is a Python class that allows generating PDF files with Python code . It is free to use

and it does not require any API keys . FPDF stands for Free PDF . It means that any kind of

modification can be done in PDF files . Python 2.5 to 3.7 support .

TITLE

Convert Text and Text File to PDF in Python