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Fig. 3: Extracted images Splitting PDFs into Pages with PyPDF2 For this example, both the PdfFileReader and the PdfFileWriter classes first need to be imported. Then we open the PDF file, create a reader object, and loop over all the pages using the reader object's getNumPages method. Inside of the for loop, we create a new instance of PdfFileWriter, which does not contain any pages, yet. We then add the current page to our writer object using the pdfWriter.addPage() method. This method accepts a page object, which we get using the PdfFileReader.getPage() method. The next step is to create a unique filename, which we do by using the original file name plus the word "page", plus the page number. We add 1 to the current page number because PyPDF2 counts the page numbers starting at zero. Finally, we open the new file name in "write binary" mode (mode wb), and use the write() method of the pdfWriter class to save the extracted page to disk. 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Listing 5: Search for a given text. import fitz filename = "example.pdf" search_term = "invoice" pdf document = fitz.open(filename): page = pdf document.loadPage(current_page) if page.searchFor(search_term): print("%s found on page %i" % (search_term, current_page)) Figure 5 below shows the search result for the term "Debian GNU/Linux" in a 400-page book. Fig. 5: Searching a PDF document Conclusion The methods shown here are quite powerful. With a comparably small number of lines of code a result is easily obtained. More use-cases are examined in Part Two (coming soon!) that covers adding a watermark to a PDF.

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