1. Extracting text from PDF file

```
# importing required modules
import PyPDF2

# creating a pdf file object
pdfFileObj = open('example.pdf', 'rb')

# creating a pdf reader object
pdfReader = PyPDF2.PdfReader(pdfFileObj)

# printing number of pages in pdf file
print(len(pdfReader.pages))

# creating a page object
pageObj = pdfReader.pages[0]

# extracting text from page
print(pageObj.extract_text())

# closing the pdf file object
pdfFileObj.close()
```

```
# importing the required modules
import PyPDF2

def PDFrotate(origFileName, newFileName, rotation):

        # creating a pdf File object of original pdf
        pdfFileObj = open(origFileName, 'rb')

        # creating a pdf Reader object
        pdfReader = PyPDF2.PdfReader(pdfFileObj)

        # creating a pdf writer object for new pdf
        pdfWriter = PyPDF2.PdfWriter()

        # rotating each page
        for page in range(len(pdfReader.pages)):

                # creating rotated page object
                pageObj = pdfReader.pages[page]
                pageObj.rotate(rotation)

                # adding rotated page object to pdf writer
                pdfWriter.add_page(pageObj)

                # new pdf file object
                newFile = open(newFileName, 'wb')

                # writing rotated pages to new file
                pdfWriter.write(newFile)

        # closing the original pdf file object
        pdfFileObj.close()

        # closing the new pdf file object
        newFile.close()


def main():

        # original pdf file name
        origFileName = 'example.pdf'

        # new pdf file name
        newFileName = 'rotated_example.pdf'

        # rotation angle
        rotation = 270

        # calling the PDFrotate function
        PDFrotate(origFileName, newFileName, rotation)
```

```
if __name__ == "__main__":
        # calling the main function
        main()
```