1. In what modes should the PdfFileReader() and PdfFileWriter() File objects will be opened?

Solution1:-

PdfFileReader() needs to be opened in read-binary mode by passing 'rb' as the second argument to open(). Likewise, the File object passed to PyPDF2.PdfFileWriter() needs to be opened in write-binary mode with 'wb'.

1. From a PdfFileReader object, how do you get a Page object for page 5?

Solution2:-

pageObj = pdfReader.getPage(4)

1. What PdfFileReader variable stores the number of pages in the PDF document?

Solution3:-

# printing number of pages in pdf file

print(pdfReader.numPages)

1. If a PdfFileReader object’s PDF is encrypted with the password swordfish, what must you do before you can obtain Page objects from it?

Solution4:-

# import PdfFileWriter and PdfFileReader

# class from PyPDF2 library

from PyPDF2 import PdfFileWriter, PdfFileReader

# Create a PdfFileWriter object

out = PdfFileWriter()

# Open encrypted PDF file with the PdfFileReader

file = PdfFileReader("myfile\_encrypted.pdf")

# Store correct password in a variable password.

password = " swordfish "

# Check if the opened file is actually Encrypted

if file.isEncrypted:

# If encrypted, decrypt it with the password

file.decrypt(password)

# Now, the file has been unlocked.

# Iterate through every page of the file

# and add it to our new file.

for idx in range(file.numPages):

# Get the page at index idx

page = file.getPage(idx)

# Add it to the output file

out.addPage(page)

# Open a new file "myfile\_decrypted.pdf"

with open("myfile\_decrypted.pdf", "wb") as f:

# Write our decrypted PDF to this file

out.write(f)

# Print success message when Done

print("File decrypted Successfully.")

else:

# If file is not encrypted, print the

# message

print("File already decrypted.")

1. What methods do you use to rotate a page?

Solution5:-

import PyPDF2

pdf\_in = open('original.pdf', 'rb')

pdf\_reader = PyPDF2.PdfFileReader(pdf\_in)

pdf\_writer = PyPDF2.PdfFileWriter()

for pagenum in range(pdf\_reader.numPages):

page = pdf\_reader.getPage(pagenum)

page.rotateClockwise(180)

pdf\_writer.addPage(page)

pdf\_out = open('rotated.pdf', 'wb')

pdf\_writer.write(pdf\_out)

pdf\_out.close()

pdf\_in.close()

1. What is the difference between a Run object and a Paragraph object?

Solution6:-

A document contains multiple paragraphs. A paragraph begins on a new line and contains multiple runs. Runs are contiguous groups of characters within a paragraph.

1. How do you obtain a list of Paragraph objects for a Document object that’s stored in a variable named doc?

Solution7:-

Use doc.paragraphs.

1. What type of object has bold, underline, italic, strike, and outline variables?

Solution8:-

A Run object has these variables.

1. What is the difference between False, True, and None for the bold variable?

Solution9:-

True always makes the Run object bolded and False makes it always not bolded, no matter what the style’s bold setting is. None will make the Run object just use the style’s bold setting.

1. How do you create a Document object for a new Word document?

Solution11:-

Call the docx.Document() function.

1. How do you add a paragraph with the text 'Hello, there!' to a Document object stored in a variable named doc?

Solution11:-

doc.add\_paragraph('Hello there!')

1. What integers represent the levels of headings available in Word documents?

Soluton12:-

The integers 0, 1, 2, 3, and 4