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

Read binary mode(rb) and write binary mode(wb) respectively

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

Example:

**from** PyPDF2 **import** PdfFileReader

pdf\_reader **=** PdfFileReader(file\_path)

**for** page **in** pdf\_reader**.**getNumPages():

pdf\_reader**.**getPage(page)

pdfFileReader class has method named as getPage(PageNO)

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

getNumPages() is method of PdfFileReader class that holds the no of pages in PDF.

Example:

**from** PyPDF2 **import** PdfFileReader

pdf\_reader **=** PdfFileReader(file\_path)

print(pdf\_reader**.**getNumPages()) *# Prints the no of pages in a input document*

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?

Firts read pdf using pdfFileReader class and its attribute isEncrypted to check whether the pdf is encrypted ar not.

This method will return True if the pdf is encrypted and False if the pdf is not Encrypted.

If it is encrypted than user decrypt() method of the same class to read the pages.

Else this will generate error saying:

 PyPDF2.utils.PdfReadError: file has not been decrypted

Example:

**from** PyPDF2 **import** PdfFileReader

pdf\_reader **=** PdfFileReader(file\_path)

**if** pdf\_reader**.**isEncrypted:

pdf\_reader**.**decrypt("swordfish")

**for** page **in** pdf\_reader**.**pages:

print(page**.**extractText())

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

**rotateClockWise()** -> For Clockwise rotation

**rotateCounterClockWise()** -> For Counter Clockwise rotation

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

The structure of a document is represented by three different data types in **python-Docx**. At the highest level, a Document object represents the entire document. The Document object contains a list of **Paragraph** objects for the paragraphs in the document.

Each of these Paragraph objects contains a list of one or more **Run** objects.

The Run objects identified in a Paragraph object

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

**from** docx **import** Document

doc **=** Document("sample.docx") *# Path of the Docx file*

print(doc**.**paragraphs) *# Prints the list of Paragraph objects for a Document*

**for** paragraph **in** doc**.**paragraphs:

print(paragraph**.**text) *# Prints the text in the paragraph*

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

Run object

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

bold **=** **True** *# Style Set to Bold*

bold **=** **False** *# Style Not Set to Bold*

bold **=** **None** *# Style is Not Applicable*

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

*# Example*

**from** docx **import** Document

document **=** Document()

document**.**add\_paragraph("iNeuron DataScience Course")

document**.**save('mydocument.docx')

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

*# Example Program*

**from** docx **import** Document

doc **=** Document()

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

doc**.**save('hello.docx')

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

**level** attribute inside the **add\_heading** method.