Assignment -12

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

Ans: 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'.

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

Ans: You can get a Page object by calling the getPage(5) method ➋ on a PdfFileReader object and passing it the page number of the page you're interested in—in our case, 0.

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

Ans: The total number of pages in the document is stored in the numPages attribute of a PdfFileReader object ➊. The example PDF has 19 pages, but let's extract text from only the first page. To extract text from a page, you need to get a Page object, which represents a single page of a PDF, from a PdfFileReader object.

4. If a PdfFileReader object’s PDF is encrypted with the password swordfish, what must you do

before you can obtain Page objects from it?

Ans: The total number of pages in the document is stored in the numPages attribute of a PdfFileReader object ➊. The example PDF has 19 pages, but let's extract text from only the first page.

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

Ans: Select "Tools"> "Organize Pages." Instead, pick "Organize Pages" from the menu that appears on the right. The rotation is done in increments of ninety degrees. You can rotate pages in pdf by selecting either the anticlockwise or clockwise rotation buttons displayed in the page thumbnail view.

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

Ans:**A Run object represents a contiguous run of text within a paragraph**

7. How do you obtain a list of Paragraph objects for a Document object that’s stored in a variable

named doc?

Ans: If you want to generate a document programmatically, the simplest way is to use the DocumentBuilder class to add document contents. Note the default values: A blank document contains one section with default parameters, one empty paragraph, some document styles.

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

Ans:**a text formatting object or class**

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

Ans: True and False are specific bool values. Use default False when you have a bool field and you want the default to be False. Don't use False as a value for a non- bool field. None is used as a generic placeholder when the value will be set later

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

Ans: Go to Insert > Object. Select Create from File. Select Browse and choose the file you want to use. Select Insert.

11. How do you add a paragraph with the text &#39;Hello, there!&#39; to a Document object stored in a

variable named doc?

import docx

doc = docx.Document()

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

doc.save('hellothere.docx')

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

* Ans: integer from 0 to 4
* The arguments to add\_heading() are a string of the heading text and an integer from 0 to 4. The integer 0 makes the heading the Title style, which is used for the top of the document. Integers 1 to 4 are for various heading levels, with 1 being the main heading and 4 the lowest subheading