**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(). 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() method on a PdfFileReader object and passing it the page number 5.**

**import PyPDF2 as pdf**

**pdfFileObj = open("cardealer.pdf",'rb')**

**pdfReader = pdf.PdfFileReader(pdfFileObj)**

**pageObj = pdfReader.getPage(4)**

**pageObj.extractText()**

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 attributes of 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:** **Before we obtain the page object, the pdf has to be decrypted by calling .decrypt('swordfish')**

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

**Ans: rotateClockwise(90) method to rotate the page clockwise by 90-degrees.**

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

**Ans: A run is the object most closely associated with inline content, text, picture, and other items that are flowed between the block-item boundaries 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: import docx**

**doc = docx.Document('abc.docx')**

**doc.paragraphs**

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

**Ans:  A Run object has bold, underline,italic,strike and outline variables**

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

**Ans : True / False are used where the field takes a Boolean value. None is used where the field takes an Optional[List].**

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

**Ans : To create a new embedded object, click the “Create New” tab in the Object dialog box, scroll to view the options and then click the file type. For example, click “Microsoft Excel Worksheet” and then click “OK” in the Object dialog box to insert a worksheet.**

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

Ans**: 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: You can number headings so that top – level headings (Heading 1) are numbered 1,2,3**

**And second-level heading (Heading 2) are numbered 1.1 , 1.2, 1.3 .**

**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**