

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

since pdf files are in binary format we need to open them in binary format in order to write or read
PdfFileReader(): mode="rb" PdfFileWriter(): mode="wb"

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

In []:

```
1 from PyPDF2 import PdfFileReader
2
3 with open('inputfilename', 'rb') as file:
4     pdf_reader = PdfFileReader(file)
5     page_number = 5
6     page = pdf_reader.getPage(page_number)
7
```

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

numPages variable stores the number of pages in the PDF document

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?

I will check the file is really encrypted or not using PdfFileReader_object.isEncrypted if true I will decrypt it using PdfFileReader_object.decrypt("swordfish")

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

```
pdf_reader = PdfFileReader(file) page = pdf_reader.getPage(page_number)
page.rotateClockwise(angle) page.rotateCounterClockwise(angle)
```

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

A run object typically represents a contiguous sequence of characters with the same formatting attributes within a paragraph. A paragraph object represents a block of text that is typically separated by line breaks or paragraph breaks.

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

In []:

```
1 para=docx.paragraphs
2 for i in para:
3     print(i.text)
```

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

Font object contains bold, underline, italic, strike, and outline variables

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

```
1 bold=False the text is not bold
2 bold=True the text is bold
3 bold=None the bold attribute is not assigned or initialised
```

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

In []:

```
1 from docs import Document
2 doc=Document()
3 #to create a document
```

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

In []:

```
1 from docs import Document
2 doc=Document()
3 p=doc.add_paragraph("Hello,there!")
```

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

In []:

```
1 Integers:1,2,3,4,5.....
2
3 Heading 1: Level 1
4 Heading 2: Level 2
5 Heading 3: Level 3
6 Heading 4: Level 4
7 Heading 5: Level 5
8
```