

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

PdfFileReader() should be opened in rb or read-byte mode and PdfFileWriter() in wb or write-byte mode

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

```
from PyPDF2 import PdfFileReader
pdf_reader = PdfFileReader('filename.pdf','rb')
page_number = 4
page = pdf_reader.getPage(page_number)
```

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

numPages variable stores the number of pages in 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?

Proved password = 'swordfish' to decrypt the file.

```
from PyPDF2 import PdfFileReader
pdf_reader = PdfFileReader('encrypted_pdf_file.pdf')
password = 'swordfish'
pdf_reader.decrypt(password)
```

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

rotateClockwise() and rotateCounterClockwise() methods are used to rotate page.

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

A "Run" object represents a contiguous run of text within a single paragraph that shares the same formatting attributes. It is the smallest unit of text that can have its own font style, size, color, boldness, italics, underline, and other formatting properties.

A "Paragraph" object represents a single paragraph of text in a document. It can contain one or more "Run" objects, each with its own formatting attributes.

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

It can be done using paragraph attribute of Document object.

```
from docx import Document
doc = Document()
paragraphs_list = doc.paragraphs
```

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

Run object

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

When set False it means text should not be displayed in bold. When set True it means text should be displayed in bold. When set None it means bold formatting is not applied, in this case text appearance depends on default styles or the styles applied by the surrounding context.

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

```
from docx import Document
doc = Document()
doc.save("my_document.docx")
```

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

```
from docx import Document
doc = Document()
doc.add_paragraph('Hello, there!')
```

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

Integers from 1-9 represent heading levels with Heading Level 1 having largest font and Heading Level 9 having smallest font.