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

**PdfFileReader**: **The file should be opened in binary read mode ('rb'), as it needs to read the binary content of the PDF file.**

**PdfFileWriter: The file should be opened in binary write mode ('wb'), as it writes binary content to the PDF file.**

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

**To get a Page object for page 5 from a PdfFileReader object, you can use the getPage() method. Remember that page numbering in PdfFileReader**

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

**The PdfFileReader object has a property called numPages that stores the number of pages in the PDF 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?

**If a PdfFileReader object's PDF is encrypted with a password (e.g., "swordfish"), you must decrypt the PDF using the decrypt method before you can obtain Page objects from it.**

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

**rotateClockwise(degrees): Rotates the page clockwise by the specified number of degrees. The degrees should be a multiple of 90 (i.e., 90, 180, 270).**

**rotateCounterClockwise(degrees): Rotates the page counterclockwise by the specified number of degrees. Again, the degrees should be a multiple of 90.**

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

**In the context of working with the python-docx library to manipulate Word documents, Run and Paragraph objects are both used to manage text, but they serve different purposes**.

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

**To obtain a list of Paragraph objects for a Document object stored in a variable named doc, you can simply access the paragraphs attribute of the doc object.**

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

**The type of object that has bold, underline, italic, strike, and outline variables is the Run object in the python-docx library. These variables are used to apply text formatting within a run of text in a Word document.**

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

**The bold variable in a Run object from the python-docx library can take three values: False, True, and None. Each value has a specific meaning:**

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

**create a Document object for a new Word document using the python-docx library, you simply need to import the Document class and instantiate it**

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

**To add a paragraph with the text "Hello, there!" to a Document object stored in a variable named doc, you can use the add\_paragraph() method.**

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

**In Word documents, the levels of headings are represented by integers from 1 to 9. Each level corresponds to a different heading style, with 1 being the highest (or main) level and 9 being the lowest level**