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

```
1  These files will be opened in binary mode., read binary (rb) for PdfFileREader() and write binary (wb)
   PdfFileWriter()
```

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

```
1  Calling getPage(4) will return a Page object for page 5 since page 0 is the first page
```

In [6]:
```
1  !pip install PyPDF3
```

```
Requirement already satisfied: PyPDF3 in c:\users\rosha\anaconda3\lib\site-packages (1.0.6)
Requirement already satisfied: tqdm in c:\users\rosha\anaconda3\lib\site-packages (from PyPDF3) (4.62.3)
Requirement already satisfied: colorama in c:\users\rosha\anaconda3\lib\site-packages (from tqdm->PyPDF3) (0.
4.4)

WARNING: Ignoring invalid distribution -ython (c:\users\rosha\anaconda3\lib\site-packages)
WARNING: Ignoring invalid distribution -ython (c:\users\rosha\anaconda3\lib\site-packages)
WARNING: Ignoring invalid distribution -ython (c:\users\rosha\anaconda3\lib\site-packages)
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WARNING: Ignoring invalid distribution -ython (c:\users\rosha\anaconda3\lib\site-packages)
WARNING: Ignoring invalid distribution -ython (c:\users\rosha\anaconda3\lib\site-packages)
```

In [19]:
```
1  import PyPDF3 as pdf
2  pdfFileObj = open("MCA.pdf",'rb')
3  pdfReader = pdf.PdfFileReader(pdfFileObj)
4  pageObj = pdfReader.getPage(1)
5  pageObj.extractText()
```

Out[19]: '\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n
\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n
\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n
\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n'

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

In [15]:
```
1  import PyPDF3 as pdf
2  pdfFileObj = open("MCA.pdf",'rb')
3  pdfReader = pdf.PdfFileReader(pdfFileObj)
4  pdfReader.numPages
```

Out[15]: 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?

```
1  Before we obtain the page object, the pdf has to be decrypted by calling .decrypt('swordfish')
```

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

In [ ]:
```
1  pageObj.rotateClockwise(180)
```

- What is the difference between a Run object and a Paragraph object?

```
1  Paragraph Object : A document contains multiple paragraphs. A paragraph begins on a new line and contains
   multiple runs. The Document object contains a list of Paragraph objects for the paragraphs in the
   document. (A new paragraph begins whenever the user presses ENTER or RETURN while typing in a Word
   document.)
```

```
1  Run Objects : Runs are contiguous groups of characters within a paragraph with the same style
```

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

```
In [ ]:    1  !pip install python-docx
           2  import docx
           3  doc = docx.Document('abc.docx')
           4  doc.paragraphs
```

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

```
           1  A Run object has bold, underline,italic,strike and outline variables
```

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

```
           1   By Calling the docx.Document() function.
```

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

```
In [ ]:    1  import docx
           2  doc = docx.Document()
           3
           4  doc.add_paragraph('Hello there!')
           5  doc.save('hellothere.docx')
```

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

```
           1  integer from 0 to 4
           2  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
```

```
In [ ]:    1
```