

APACHE POI WORD - CORE CLASSES

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This chapter takes you through the classes and methods of Apache POI for managing a Word document.

Document

This is a marker interface *interfacedonotcontainanymethods*, that notifies that the implemented class can be able to create a word document.

XWPFDocument

This is a class under **org.apache.poi.xwpf.usermodel** package. It is used to create MS-Word Document with .docx file format.

Class Methods:

S. No.	Method and Description
1	commit Commits and saves the document.
2	createParagraph Appends a new paragraph to this document.
3	createTable Creates an empty table with one row and one column as default.
4	createTOC Creates a table of content for Word document.
5	getParagraphs Returns the paragraphs that holds the text of the header or footer.
6	getStyle Returns the styles object used.

For the remaining methods of this class, refer the complete API document at:

<https://poi.apache.org/apidocs/index.html?org/apache/poi/openxml4j/opc/internal/package-summary.html>.

XWPFParagraph

This is a class under **org.apache.poi.xwpf.usermodel** package and is used to create paragraph in a word document. This instance is also used to add all types of elements into word document.

Class Methods:

S. No.	Method and Description
1	createRun Appends a new run to this paragraph.
2	getAlignment Returns the paragraph alignment which shall be applied to the text in this paragraph.
3	setAlignment <i>ParagraphAlignmentalign</i> Specifies the paragraph alignment which shall be applied to the text in this paragraph.
4	setBorderBottom <i>Bordersborder</i> Specifies the border which shall be displayed below a set of paragraphs, which have the same set of paragraph border settings.
5	setBorderLeft <i>Bordersborder</i> Specifies the border which shall be displayed on the left side of the page around the specified paragraph.
6	setBorderRight <i>Bordersborder</i> Specifies the border which shall be displayed on the right side of the page around the specified paragraph.
7	setBorderTop <i>Bordersborder</i> Specifies the border which shall be displayed above a set of paragraphs which have the same set of paragraph border settings.

For the remaining methods of this class, refer the complete API document at:

<https://poi.apache.org/apidocs/index.html?org/apache/poi/openxml4j/opc/internal/package-summary.html>.

XWPFRun

This is a class under **org.apache.poi.xwpf.usermodel** package and is used to add a region of text to the paragraph.

Class Methods:

S. No.	Method and Description
1	addBreak Specifies that a break shall be placed at the current location in the run content.
2	addTab Specifies that a tab shall be placed at the current location in the run content.
3	setColor <i>java. lang. StringrgbStr</i> Sets text color.
4	setFontSize <i>intsize</i> Specifies the font size which shall be applied to all noncomplex script characters in the content of this run when displayed.
5	setText <i>java. lang. Stringvalue</i> Sets the text of this text run.
6	setBold <i>booleanvalue</i> Specifies whether the bold property shall be applied to all non-complex script characters in the content of this run when displayed in a document.

For the remaining methods of this class, refer the complete API document at:

<https://poi.apache.org/apidocs/index.html?org/apache/poi/openxml4j/opc/internal/package-summary.html>.

XWPFStyle

This is a class under **org.apache.poi.xwpf.usermodel** package and is used to add different styles to the object elements in a word document.

Class Methods:

S. No.	Method and Description
1	getNextStyleID It is used to get StyleID of the next style.
2	getStyleId It is used to get StyleID of the style.

3

getStyles

It is used to get styles.

4

setStyleId*java. lang. String styleId*

It is used to set styleID.

For the remaining methods of this class, refer the complete API document at:

<https://poi.apache.org/apidocs/index.html?org/apache/poi/openxml4j/opc/internal/package-summary.html>.

XWPFTable

This is a class under **org.apache.poi.xwpf.usermodel** package and is used to add table data into a word document.

Class Methods:

S. No.	Method and Description
1	addNewCol Adds a new column for each row in this table.
2	addRow <i>XWPFTableRow row, int pos</i> Adds a new Row to the table at position pos.
3	createRow Creates a new XWPFTableRow object with as many cells as the number of columns defined in that moment.
4	setWidth <i>int width</i> Sets the width of the column.

For the remaining methods of this class, refer the complete API document at:

<https://poi.apache.org/apidocs/index.html?org/apache/poi/openxml4j/opc/internal/package-summary.html>.

XWPFFWordExtractor

This is a class under **org.apache.poi.xwpf.extractor** package. It is a basic parser class used to extract the simple text from a Word document.

Class Methods:

S. No.	Method and Description
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1	
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	getText
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	Retrieves all the text from the document.
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For the remaining methods of this class, refer the complete API document at:

<https://poi.apache.org/apidocs/index.html?org/apache/poi/openxml4j/opc/internal/package-summary.html>

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