

APACHE POI WORD - PARAGRAPH

http://www.tutorialspoint.com/apache_poi_word/apache_poi_word_paragraph.htm

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In this chapter you will learn how to create a Paragraph and how to add it to a document using Java. Paragraph is a part of a page in a Word file.

After completing this chapter, you will be able to create a Paragraph and perform read operations on it.

Create a Paragraph

First of all, let us create a Paragraph using the referenced classes discussed in the earlier chapters. By following the previous chapter, create a Document first, and then we can create a Paragraph.

The following code snippet is used to create a spreadsheet:

```
//Create Blank document
XWPFDocument document= new XWPFDocument();
//Create a blank spreadsheet
XWPFParagraph paragraph = document.createParagraph();
```

Run on Paragraph

You can enter the text or any object element, using **Run**. Using Paragraph instance you can create **run**.

The following code snippet is used to create a Run.

```
XWPFRun run=paragraph.createRun();
```

Write into a Paragraph

Let us try entering some text into a document. Consider the below text data:

```
At tutorialspoint.com, we strive hard to provide quality tutorials for self-learning
purpose in the domains of Academics, Information Technology, Management and Computer
Programming Languages.
```

The following code is used to write the above data into a paragraph.

```
import java.io.File;
import java.io.FileOutputStream;
import org.apache.poi.xwpf.usermodel.XWPFDocument;
import org.apache.poi.xwpf.usermodel.XWPFParagraph;
import org.apache.poi.xwpf.usermodel.XWPFRun;

public class CreateParagraph
{
    public static void main(String[] args)throws Exception
    {
        //Blank Document
        XWPFDocument document= new XWPFDocument();
        //Write the Document in file system
        FileOutputStream out = new FileOutputStream(
            new File("createparagraph.docx"));

        //create Paragraph
        XWPFParagraph paragraph = document.createParagraph();
        XWPFRun run=paragraph.createRun();
        run.setText("At tutorialspoint.com, we strive hard to " +
            "provide quality tutorials for self-learning " +
            "purpose in the domains of Academics, Information " +
            "Technology, Management and Computer Programming
```

```
    Languages.");  
    document.write(out);  
    out.close();  
    System.out.println("createparagraph.docx written successfully");  
}
```

Save the above Java code as **CreateParagraph.java**, and then compile and run it from the command prompt as follows:

```
$javac CreateParagraph.java  
$java CreateParagraph
```

It will compile and execute to generate a Word file named **createparagraph.docx** in your current directory and you will get the following output in the command prompt:

```
createparagraph.docx written successfully
```

The **createparagraph.docx** file looks as follows.

