TIKA - EXTRACTING PDF

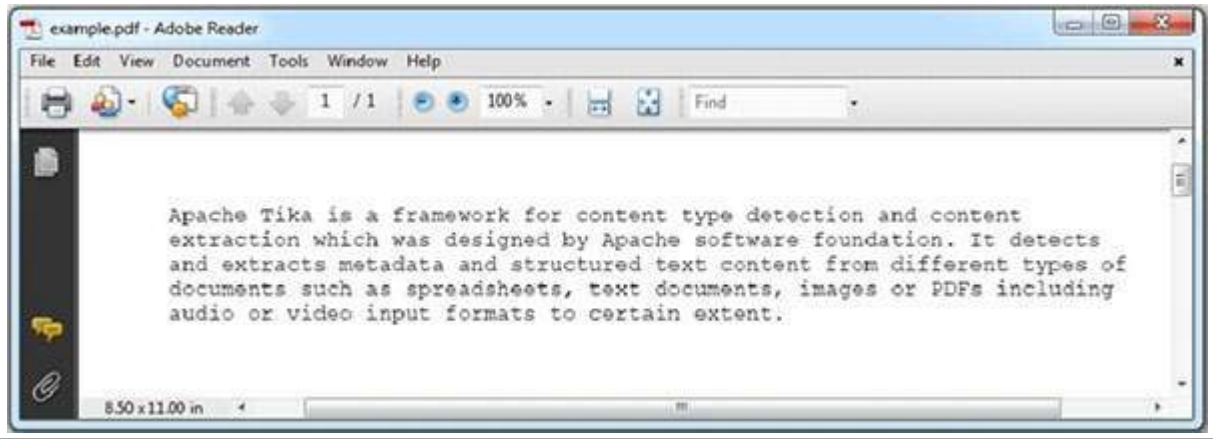
Given below is the program to extract content and metadata from a PDF.

```
import java.io.File;
import java.io.FileInputStream;
import java.io.IOException;

import org.apache.tika.exception.TikaException;
import org.apache.tika.metadata.Metadata;
import org.apache.tika.parser.ParseContext;
import org.apache.tika.parser.pdf.PDFParser;
import org.apache.tika.sax.BodyContentHandler;

import org.xml.sax.SAXException;

public class PdfParse {

   public static void main(final String[] args) throws IOException,TikaException {

      BodyContentHandler handler = new BodyContentHandler();
      Metadata metadata = new Metadata();
      FileInputStream inputstream = new FileInputStream(new File("Example.pdf"));
      ParseContext pcontext = new ParseContext();

      //parsing the document using PDF parser
      PDFParser pdfparser = new PDFParser();
      pdfparser.parse(inputstream, handler, metadata,pcontext);

      //getting the content of the document
      System.out.println("Contents of the PDF :" + handler.toString());

      //getting metadata of the document
      System.out.println("Metadata of the PDF:");
      String[] metadataNames = metadata.names();

      for(String name : metadataNames) {
         System.out.println(name+ " : " + metadata.get(name));
      }
   }
}
```

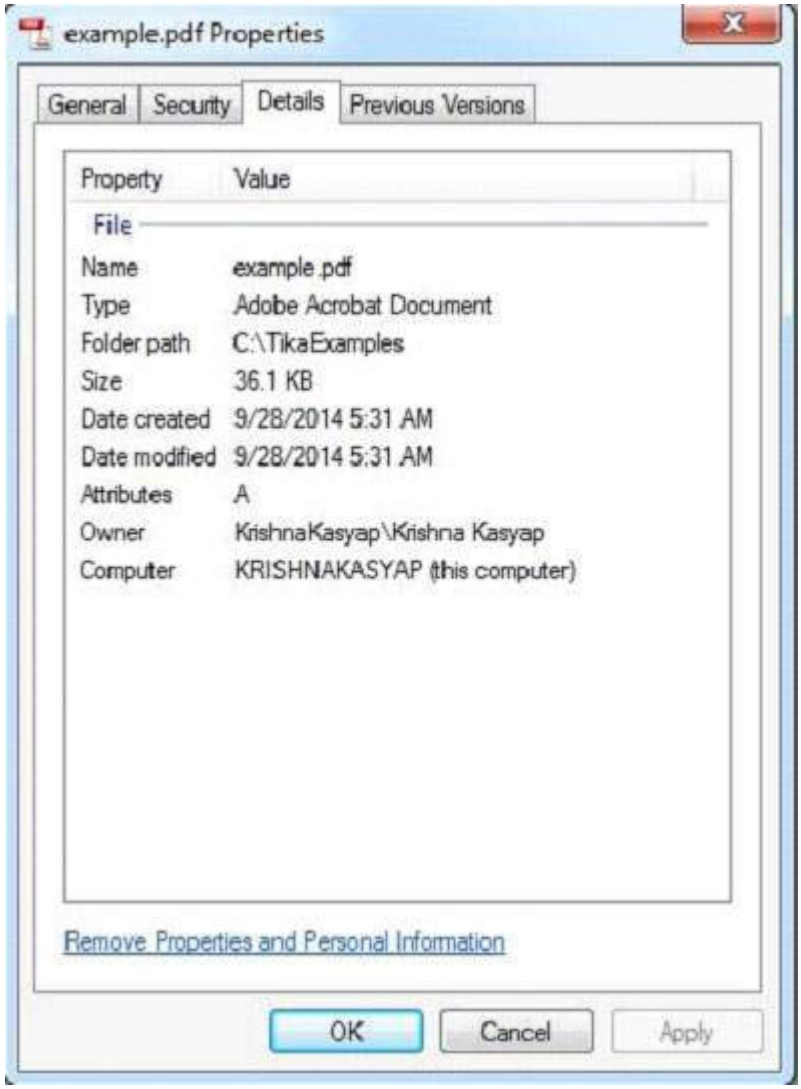
Save the above code as **PdfParse.java**, and compile it from the command prompt by using the following commands:

```
javac PdfParse.java
java PdfParse
```

Below given is the snapshot of Example.pdf Document:



The PDF document has the following properties:



After executing the above program, you will get the following output

Output:

```
Contents of the PDF:

Apache Tika is a framework for content type detection and content extraction
which was designed by Apache software foundation. It detects and extracts metadata
and structured text content from different types of documents such as spreadsheets,
text documents, images or PDFs including audio or video input formats to certain extent.

Metadata of the PDF:

dcterms:modified :     2014-09-28T12:31:16Z
meta:creation-date :     2014-09-28T12:31:16Z
meta:save-date :     2014-09-28T12:31:16Z
dc:creator :     Krishna Kasyap
pdf:PDFVersion :     1.5
Last-Modified :     2014-09-28T12:31:16Z
Author :     Krishna Kasyap
dcterms:created :     2014-09-28T12:31:16Z
date :     2014-09-28T12:31:16Z
modified :     2014-09-28T12:31:16Z
creator :     Krishna Kasyap
xmpTPg:NPages :     1
Creation-Date :     2014-09-28T12:31:16Z
pdf:encrypted :     false
meta:author :     Krishna Kasyap
created :     Sun Sep 28 05:31:16 PDT 2014
```

```
dc:format :     application/pdf; version=1.5
producer :     Microsoft® Word 2013
Content-Type :     application/pdf
xmp:CreatorTool :     Microsoft® Word 2013
Last-Save-Date :     2014-09-28T12:31:16Z
```