

TIKA - EXTRACTING MP3 FILES

http://www.tutorialspoint.com/tika/tika_extracting_mp3_files.htm

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Given below is the program to extract content and metadata from mp3 files:

```
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.mp3.LyricsHandler;
import org.apache.tika.parser.mp3.Mp3Parser;
import org.apache.tika.sax.BodyContentHandler;

import org.xml.sax.SAXException;

public class Mp3Parse {

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

        //detecting the file type
        BodyContentHandler handler = new BodyContentHandler();
        Metadata metadata = new Metadata();
        FileInputStream inputstream = new FileInputStream(new File("example.mp3"));
        ParseContext pcontext = new ParseContext();

        //Mp3 parser
        Mp3Parser Mp3Parser = new Mp3Parser();
        Mp3Parser.parse(inputstream, handler, metadata, pcontext);
        LyricsHandler lyrics = new LyricsHandler(inputstream, handler);

        while(lyrics.hasLyrics()) {
            System.out.println(lyrics.toString());
        }

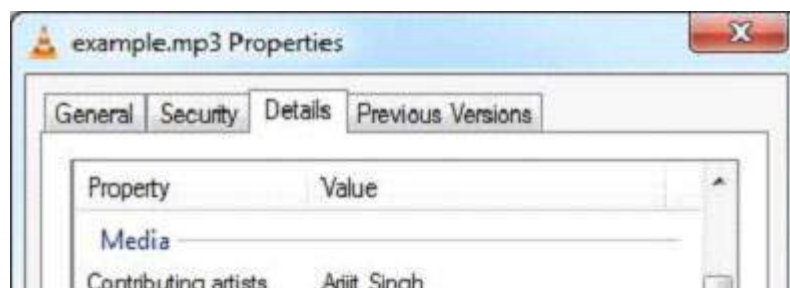
        System.out.println("Contents of the document:" + handler.toString());
        System.out.println("Metadata of the document:");
        String[] metadataNames = metadata.names();

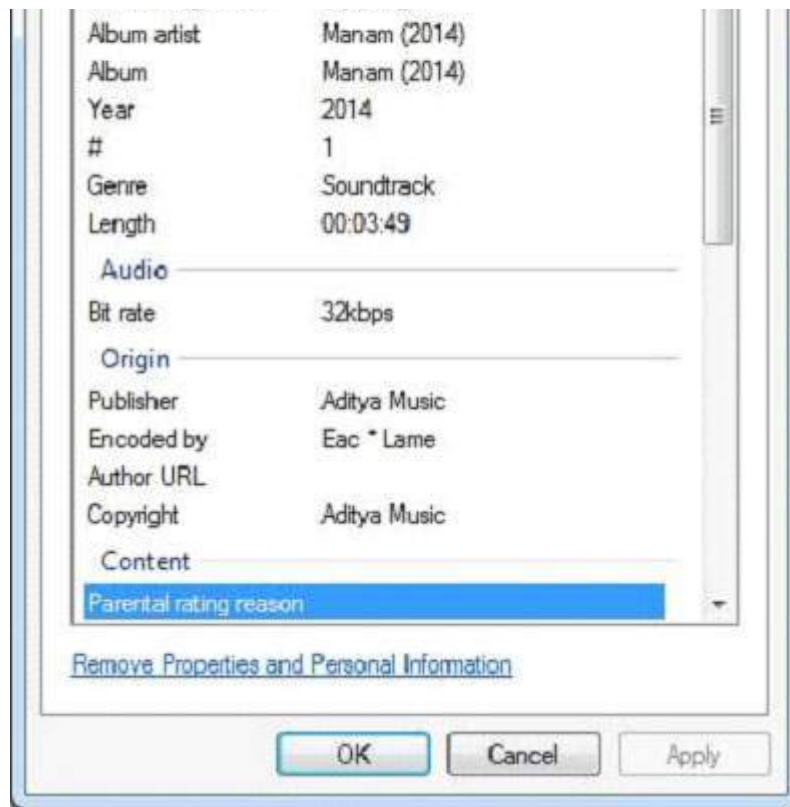
        for(String name : metadataNames) {
            System.out.println(name + ": " + metadata.get(name));
        }
    }
}
```

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

```
javac Mp3Parse.java
java Mp3Parse
```

Here we are passing an example.mp3 file having the following properties:





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

If the given file has any lyrics, our application will capture and display that along with the output.

Output:

Contents of the document:

```
Kanulanu Thaake
Arijit Singh
Manam (2014), track 01/06
2014
Soundtrack
30171.65
eng -
DRGM
Arijit Singh
Manam (2014), track 01/06
2014
Soundtrack
30171.65
eng -
DRGM
```

Metadata of the document:

```
xmpDM:releaseDate: 2014
xmpDM:duration: 30171.650390625
xmpDM:audioChannelType: Stereo
dc:creator: Arijit Singh
xmpDM:album: Manam (2014)
Author: Arijit Singh
xmpDM:artist: Arijit Singh
channels: 2
xmpDM:audioSampleRate: 44100
xmpDM:logComment: eng -
DRGM
xmpDM:trackNumber: 01/06
version: MPEG 3 Layer III Version 1
creator: Arijit Singh
xmpDM:composer: Music : Anoop Rubens | Lyrics : Vanamali
xmpDM:audioCompressor: MP3
title: Kanulanu Thaake
```

samplerate: 44100
meta:author: Arijit Singh
xmpDM:genre: Soundtrack
Content-Type: audio/mpeg
xmpDM:albumArtist: Manam (2014)
dc:title: Kanulanu Thaake