

TIKA - EXTRACTING .CLASS FILE

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

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

```
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.asm.ClassParser;
import org.apache.tika.sax.BodyContentHandler;

import org.xml.sax.SAXException;

public class JavaClassParse {

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

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

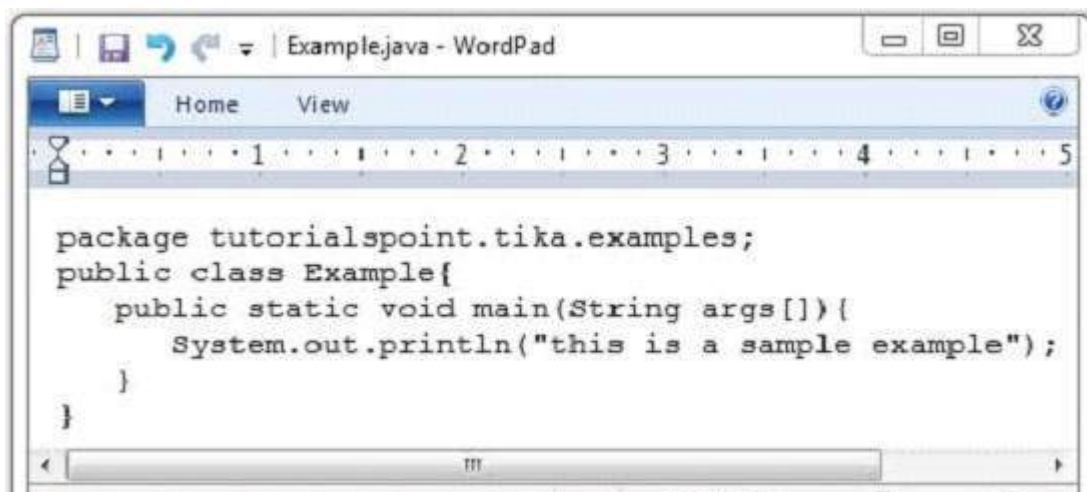
        //Html parser
        ClassParser ClassParser = new ClassParser();
        ClassParser.parse(inputstream, handler, metadata, pcontext);
        System.out.println("Contents of the document:" + handler.toString());
        System.out.println("Metadata of the document:");
        String[] metadataNames = metadata.names();

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

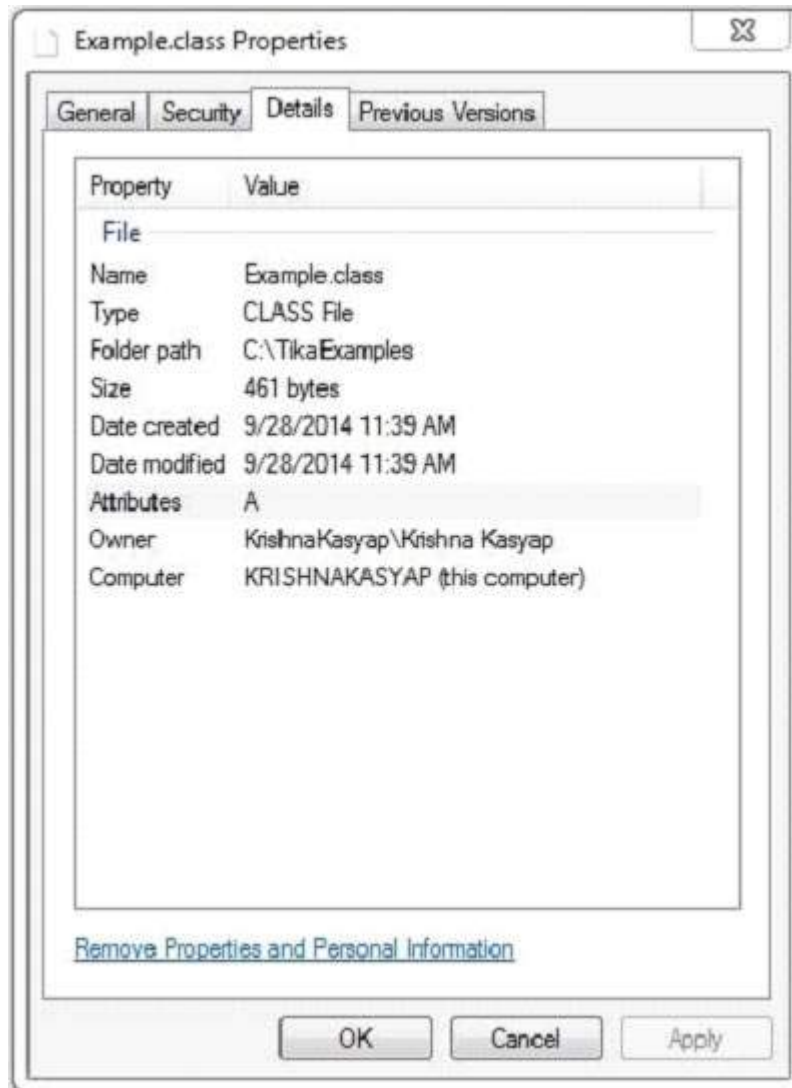
Save the above code as **JavaClassParse.java**, and compile it from the command prompt by using the following commands:

```
javac JavaClassParse.java
java JavaClassParse
```

Below given is snapshot of **Example.java** on compiling this you will get example.class file:



And this .class file has the following properties:



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

Output:

```
Contents of the document:
package tutorialspoint.tika.examples;
public synchronized class Example {
    public void Example();
    public static void main(String[]);
}
```

```
Metadata of the document:
title: Example
resourceName: Example.class
dc:title: Example
```