

JAVA EXAMPLES - PATTERN MATCHING

http://www.tutorialspoint.com/javaexamples/regular_file.htm

Copyright © tutorialspoint.com

Problem Description:

How to print all the strings that match a given pattern from a file?

Solution:

Following example shows how to print all the strings that match a given pattern from a file with the help of Patternname.matcher method of Util.regex class.

```
import java.util.regex.*;
import java.io.*;

public class ReaderIter {
    public static void main(String[] args)
        throws IOException {
        Pattern patt = Pattern.compile("[A-Za-z][a-z]+");
        BufferedReader r = new BufferedReader
            (new FileReader("ReaderIter.java"));
        String line;
        while ((line = r.readLine()) != null) {
            Matcher m = patt.matcher(line);
            while (m.find()) {
                System.out.println(m.group(0));
                int start = m.start(0);
                int end = m.end(0);
                Use CharacterIterator.substring(offset, end);
                System.out.println(line.substring(start, end));
            }
        }
    }
}
```

Result:

The above code sample will produce the following result.

```
Ian
Darwin
http
www
darwinsys
com
All
rights
reserved
Software
written
by
Ian
Darwin
and
others
```

Loading [MathJax]/jax/output/HTML-CSS/jax.js