

JAVA EXAMPLES - DIRECTORY HIERARCHY

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

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Problem Description:

How to print the hierarchy of directory?

Solution:

Following example shows how to print the hierarchy of a specified directory using file.getName and file.listFiles method of File class.

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

public class FileUtil {
    public static void main(String[] a) throws IOException{
        showDir(1, new File("d:\\Java"));
    }
    static void showDir(int indent, File file)
    throws IOException {
        for (int i = 0; i < 7; i++)
            System.out.print('-');
        System.out.println(file.getName());
        if (file.isDirectory()) {
            File[] files = file.listFiles();
            for (int i = 0; i < files.length; i++)
                showDir(indent + 4, files[i]);
        }
    }
}
```

Result:

The above code sample will produce the following result.

```
- Java
-----codes
-----string.txt
-----array.txt
-----tutorial
```

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