



# Java Read Files

[< Previous](#)[Next >](#)

## Read a File

In the previous chapter, you learned how to create and write to a file.

In the following example, we use the `Scanner` class to read the contents of the text file we created in the previous chapter:

### Example

```
import java.io.File; // Import the File class
import java.io.FileNotFoundException; // Import this class to handle errors
import java.util.Scanner; // Import the Scanner class to read text files

public class ReadFile {
    public static void main(String[] args) {
        try {
            File myObj = new File("filename.txt");
            Scanner myReader = new Scanner(myObj);
            while (myReader.hasNextLine()) {
                String data = myReader.nextLine();
                System.out.println(data);
            }
            myReader.close();
        }
    }
}
```

```
    } catch (FileNotFoundException e) {  
        System.out.println("An error occurred.");  
        e.printStackTrace();  
    }  
}  
}
```

The output will be:

Files in Java might be tricky, but it is fun enough!

[Run Example »](#)

ADVERTISEMENT

## Get File Information

To get more information about a file, use any of the **File** methods:

### Example

```
import java.io.File; // Import the File class
```

```
public class GetFileInfo {  
    public static void main(String[] args) {  
        File myObj = new File("filename.txt");  
        if (myObj.exists()) {  
            System.out.println("File name: " + myObj.getName());  
            System.out.println("Absolute path: " + myObj.getAbsolutePath());  
            System.out.println("Writeable: " + myObj.canWrite());  
            System.out.println("Readable " + myObj.canRead());  
            System.out.println("File size in bytes " + myObj.length());  
        } else {  
            System.out.println("The file does not exist.");  
        }  
    }  
}
```

The output will be:

```
File name: filename.txt  
Absolute path: C:\Users\MyName\filename.txt  
Writeable: true  
Readable: true  
File size in bytes: 0
```

[Run Example »](#)

**Note:** There are many available classes in the Java API that can be used to read and write files in Java: [FileReader](#), [BufferedReader](#), [Files](#), [Scanner](#), [FileInputStream](#), [FileWriter](#), [BufferedWriter](#), [FileOutputStream](#), etc. Which one to use depends on the Java version you're working with and whether you need to read bytes or characters, and the size of the file/lines etc.

**Tip:** To delete a file, read our [Java Delete Files](#) chapter.

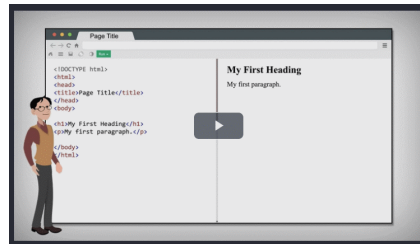
[◀ Previous](#)

[Next ▶](#)

## ADVERTISEMENT

## NEW

We just launched  
W3Schools videos



Explore now

## COLOR PICKER



Get certified  
by completing  
a Java  
course today!



Get started

## CODE GAME



Play Game

ADVERTISEMENT



---

ADVERTISEMENT

ADVERTISEMENT



---

[Report Error](#)

[Spaces](#)

[Pro](#)

[Buy Certificate](#)

---

## Top Tutorials

[HTML Tutorial](#)  
[CSS Tutorial](#)  
[JavaScript Tutorial](#)  
[How To Tutorial](#)  
[SQL Tutorial](#)  
[Python Tutorial](#)  
[W3.CSS Tutorial](#)  
[Bootstrap Tutorial](#)

[PHP Tutorial](#)  
[Java Tutorial](#)  
[C++ Tutorial](#)  
[jQuery Tutorial](#)

## Top References

[HTML Reference](#)  
[CSS Reference](#)  
[JavaScript Reference](#)  
[SQL Reference](#)  
[Python Reference](#)  
[W3.CSS Reference](#)  
[Bootstrap Reference](#)  
[PHP Reference](#)  
[HTML Colors](#)  
[Java Reference](#)  
[Angular Reference](#)  
[jQuery Reference](#)

## Top Examples

[HTML Examples](#)  
[CSS Examples](#)  
[JavaScript Examples](#)  
[How To Examples](#)  
[SQL Examples](#)  
[Python Examples](#)  
[W3.CSS Examples](#)  
[Bootstrap Examples](#)  
[PHP Examples](#)  
[Java Examples](#)  
[XML Examples](#)  
[jQuery Examples](#)

## Get Certified

[HTML Certificate](#)  
[CSS Certificate](#)  
[JavaScript Certificate](#)  
[Front End Certificate](#)  
[SQL Certificate](#)  
[Python Certificate](#)  
[PHP Certificate](#)  
[jQuery Certificate](#)  
[Java Certificate](#)  
[C++ Certificate](#)  
[C# Certificate](#)  
[XML Certificate](#)

---

[FORUM](#) | [ABOUT](#)

W3Schools is optimized for learning and training. Examples might be simplified to improve reading and learning. Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant



full correctness of all content. While using W3Schools, you agree to have read and accepted our terms of use, cookie and privacy policy.

Copyright 1999-2022 by Refsnes Data. All Rights Reserved.  
W3Schools is Powered by W3.CSS.

