

# File Operations in Java

## Delete a File

Copied from [here](#).

```
import java.io.File;

public class Delete {
    public static void main(String[] args) {
        String fileName = "file.txt";
        // A File object to represent the filename
        File f = new File(fileName);

        // Make sure the file or directory exists and isn't write protected
        if (!f.exists())
            throw new IllegalArgumentException(
                "Delete: no such file or directory: " + fileName);

        if (!f.canWrite())
            throw new IllegalArgumentException("Delete: write protected: "
                + fileName);

        // If it is a directory, make sure it is empty
        if (f.isDirectory()) {
            String[] files = f.list();
            if (files.length > 0)
                throw new IllegalArgumentException(
                    "Delete: directory not empty: " + fileName);
        }

        // Attempt to delete it
        boolean success = f.delete();

        if (!success)
            throw new IllegalArgumentException("Delete: deletion failed");
    }
}
```

## Rename a File

Copied from [here](#).

```
// File (or directory) with old name
File file = new File("oldname");

// File (or directory) with new name
File file2 = new File("newname");
if(file2.exists()) throw new java.io.IOException("file exists");

// Rename file (or directory)
boolean success = file.renameTo(file2);
if (!success) {
    // File was not successfully renamed
}
```

java

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