

# FileReader e BufferedReader

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## Classes

- FileReader (stream de leitura de caracteres a partir de arquivos)
  - <https://docs.oracle.com/javase/10/docs/api/java/io/FileReader.html>
- BufferedReader (mais rápido)
  - <https://docs.oracle.com/javase/10/docs/api/java/io/BufferedReader.html>
  - <https://stackoverflow.com/questions/9648811/specific-difference-between-bufferedReader-and-filereader>

```
package application;

import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;

public class Program {

    public static void main(String[] args) {

        String path = "C:\\temp\\in.txt";
        BufferedReader br = null;
        FileReader fr = null;

        try {
            fr = new FileReader(path);
            br = new BufferedReader(fr);

            String line = br.readLine();

            while (line != null) {
                System.out.println(line);
                line = br.readLine();
            }
        } catch (IOException e) {
            System.out.println("Error: " + e.getMessage());
        } finally {
            try {
                if (br != null)
                    br.close();
                if (fr != null)
                    fr.close();
            } catch (IOException e) {
                e.printStackTrace();
            }
        }
    }
}
```

## Bloco try-with-resources

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