

File Handling in Java

Overview

This Java program demonstrates basic file handling operations, including reading, writing, and appending to a file.

File Operations:

1. Writing to a File

The **writeToFile** method is responsible for writing content to a specified file.

Parameters:

- **filePath**: A **String** representing the path to the file.
- **content**: A **String** containing the content to be written to the file.

Description:

This method uses a **PrintWriter** to write the specified content to the specified file. It catches a **FileNotFoundException** if the file is not found.

2. Reading from a File

The **readFromFile** method reads the content from a specified file.

Parameters:

- **filePath**: A **String** representing the path to the file.

Returns:

- A **String** containing the content read from the file.

Description:

This method uses a **BufferedReader** to read lines from the specified file and appends them to a **StringBuilder**. It catches an **IOException** if there is an issue with file reading.

3. Appending to a File

The **appendToFile** method appends content to the end of a specified file.

Parameters:

- **filePath**: A **String** representing the path to the file.
- **content**: A **String** containing the content to be appended to the file.

Description:

This method uses a **FileWriter** with the append flag set to **true** to append the specified content to the end of the specified file. It catches an **IOException** if there is an issue with file appending.

Main Method

The **main** method showcases the usage of the above file operations. It writes initial content to a file, reads from it, appends new content, and reads the updated content.

Variables:

- **filePath**: A **String** representing the path to the file.

Method Calls:

Writing initial content to the file using **writeToFile**.

Reading content from the file using **readFromFile**.

Appending new content to the file using **appendToFile**.

Reading the updated content from the file using **readFromFile**.