Documentation

Introduction:

This File Handling program is a Java-based application that demonstrates how to read from, write to, and append to a text file. It includes three main operations that are commonly performed on files.

Features:

* **Write to File**: Writes a string to a text file.
* **Read from File**: Reads the contents of a text file and prints it to the console.
* **Append to File**: Appends a string to the end of an existing text file.

Implementation Details:

1. **File Writing**: Utilizes the **FileWriter** class to write a string to the file. If the file does not exist, it will be created.
2. **File Reading**: Utilizes the **BufferedReader** class along with **FileReader** to read lines from the file and print them to the console.
3. **File Appending**: Uses the **FileWriter** class with the append flag set to **true**, allowing text to be added to the end of the existing content.

Error Handling:

Each file operation is enclosed within a try-catch block to handle any potential **IOExceptions** that may occur, providing appropriate error messages.

How to Run:

1. **Environment Setup**: Ensure that Java is installed and configured on your system.
2. **IDE Setup**: You can use an IDE like Eclipse or IntelliJ to write and run the code.
3. **Copy and Run**: Copy the code into a new Java class and run the **main** method.

Conclusion:

This program serves as a foundational example of file handling in Java, demonstrating key concepts in reading, writing, and appending to files. It can be extended and integrated into more complex applications that require file manipulation.