

```
import java.io.*;

import java.util.Scanner;


public class FileHandlingUtility {


    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);


        System.out.println("Choose an operation:");
        System.out.println("1. Read a file");
        System.out.println("2. Write to a file");
        System.out.println("3. Append to a file");
        System.out.println("4. Modify a file");
        int choice = scanner.nextInt();
        scanner.nextLine(); // Consume newline


        switch (choice) {

            case 1:

                readFile("sample.txt");

                break;

            case 2:

                System.out.println("Enter content to write:");

                String content = scanner.nextLine();

                writeFile("sample.txt", content);

                break;

            case 3:

                System.out.println("Enter content to append:");

                String appendContent = scanner.nextLine();
```

```

        appendToFile("sample.txt", appendContent);

        break;

    case 4:

        System.out.println("Enter content to replace:");

        String oldContent = scanner.nextLine();

        System.out.println("Enter new content:");

        String newContent = scanner.nextLine();

        modifyFile("sample.txt", oldContent, newContent);

        break;

    default:

        System.out.println("Invalid choice.");

}

scanner.close();

}

// Method to read a file

public static void readFile(String fileName) {

    try (BufferedReader br = new BufferedReader(new FileReader(fileName))) {

        String line;

        while ((line = br.readLine()) != null) {

            System.out.println(line);

        }

    } catch (IOException e) {

        System.out.println("Error reading file: " + e.getMessage());

    }

}

```

// Method to write to a file

```
public static void writeFile(String fileName, String content) {  
    try (BufferedWriter bw = new BufferedWriter(new FileWriter(fileName))) {  
        bw.write(content);  
        System.out.println("Content written to file.");  
    } catch (IOException e) {  
        System.out.println("Error writing to file: " + e.getMessage());  
    }  
}
```

// Method to append to a file

```
public static void appendToFile(String fileName, String content) {  
    try (BufferedWriter bw = new BufferedWriter(new FileWriter(fileName, true))) {  
        bw.write(content);  
        bw.newLine();  
        System.out.println("Content appended to file.");  
    } catch (IOException e) {  
        System.out.println("Error appending to file: " + e.getMessage());  
    }  
}
```

// Method to modify a file (replace specific content)

```
public static void modifyFile(String fileName, String oldContent, String newContent) {  
    try {  
        File file = new File(fileName);  
        BufferedReader br = new BufferedReader(new FileReader(file));  
        StringBuilder fileContent = new StringBuilder();  
        String line;
```

```
while ((line = br.readLine()) != null) {  
    line = line.replace(oldContent, newContent);  
    fileContent.append(line).append(System.lineSeparator());  
}  
br.close();  
  
BufferedWriter bw = new BufferedWriter(new FileWriter(fileName));  
bw.write(fileContent.toString());  
bw.close();  
System.out.println("File modified successfully.");  
} catch (IOException e) {  
    System.out.println("Error modifying file: " + e.getMessage());  
}  
}  
}
```