import java.nio.file.\*;

import java.io.\*;

import java.util.List;

import java.util.Scanner;

public class FileCRUDOperations {

public static void main(String[] args) {

// Specify the file path

String filePath = "example.txt";

// Create a file

createFile(filePath);

// Read from the file

readFile(filePath);

// Update the file

updateFile(filePath);

// Read from the updated file

readFile(filePath);

// Delete the file

deleteFile(filePath);

}

// Create a new file

private static void createFile(String filePath) {

try {

Files.createFile(Paths.get(filePath));

System.out.println("File created: " + filePath);

} catch (IOException e) {

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

}

}

// Read content from a file

private static void readFile(String filePath) {

try {

List<String> lines = Files.readAllLines(Paths.get(filePath));

System.out.println("File content:");

for (String line : lines) {

System.out.println(line);

}

} catch (IOException e) {

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

}

}

// Update content in a file

private static void updateFile(String filePath) {

try {

// Get user input for the new content

Scanner scanner = new Scanner(System.in);

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

String newContent = scanner.nextLine();

// Write the new content to the file

Files.write(Paths.get(filePath), newContent.getBytes(), StandardOpenOption.APPEND);

System.out.println("File updated successfully.");

} catch (IOException e) {

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

}

}

// Delete a file

private static void deleteFile(String filePath) {

try {

Files.delete(Paths.get(filePath));

System.out.println("File deleted: " + filePath);

} catch (IOException e) {

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

}

}

}