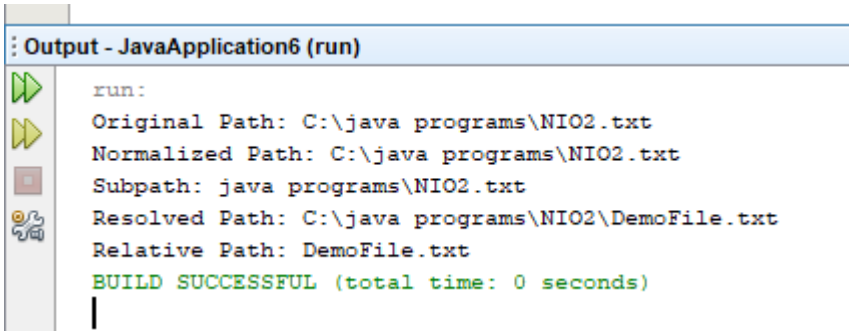
19-08-2024

Write a java program that combines the methods of normalize , subgraph , resolve, relative vise.

```
package javaapplication6;

import java.io.IOException;

import java.nio.file.Path;

import java.nio.file.Paths;


public class JavaApplication6 {

    public static void main(String[] args) throws IOException {

        Path originalPath = Paths.get("C:\\java programs\\NIO2.txt");

        System.out.println("Original Path: " + originalPath);


        Path normalizedPath = originalPath.normalize();

        System.out.println("Normalized Path: " + normalizedPath);


        Path subPath = originalPath.subpath(0, 2);

        System.out.println("Subpath: " + subPath);


        Path basePath = Paths.get("C:\\java programs\\NIO2");

        Path relativePath = Paths.get("DemoFile.txt");

        Path resolvedPath = basePath.resolve(relativePath);

        System.out.println("Resolved Path: " + resolvedPath);


        Path relativePath2 = basePath.relativize(resolvedPath);

        System.out.println("Relative Path: " + relativePath2);

    }

}
```



Write a java program that creates a folder.

```
package javaapplication7;

import java.io.File;

public class JavaApplication7 {
    public static void main(String[] args) {
        // Get the current working directory
        String currentDir = System.getProperty("user.dir");

        // Create a new folder name
        String folderName = "MyNewFolder";

        // Create the full path for the new folder
        String folderPath = currentDir + "\\" + folderName;

        File folder = new File(folderPath);

        if (!folder.exists()) {
            if (folder.mkdir()) {
                System.out.println("Folder created successfully at " + folderPath);
            } else {
                System.out.println("Failed to create folder at " + folderPath);
            }
        } else {
```

```
            System.out.println("Folder already exists at " + folderPath);
        }
    }
}
```