

java practic

Windows PowerShell

Windows PowerShell
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PS D:\java practic> javac FileWrite.java
PS D:\java practic> java FileWrite
File written: C:\JavaProgramming\output.txt
PS D:\java practic> |

packages	22-12-2024 18:12	File folder	
FilePropertiesCheck.java	23-12-2024 18:57	JAVA File	1 KB
FilePropertiesCheck.class	23-12-2024 18:57	CLASS File	2 KB
FileAndDirectoryCreation.java	23-12-2024 18:58	JAVA File	1 KB
FileAndDirectoryCreation.class	23-12-2024 18:58	CLASS File	2 KB
FileCopyMove.java	23-12-2024 18:59	JAVA File	1 KB
FileCopyMove.class	23-12-2024 18:59	CLASS File	3 KB
FileDeletion.java	23-12-2024 19:00	JAVA File	1 KB
FileDeletion.class	23-12-2024 19:00	CLASS File	2 KB
FileRead.java	23-12-2024 19:01	JAVA File	1 KB
FileRead.class	23-12-2024 19:01	CLASS File	2 KB
FileWrite.java	23-12-2024 19:02	JAVA File	1 KB

191 items | 1 item selected 559 bytes |

Search java practic

File Edit View

import java.io.*;
import java.nio.file.*;

public class FileWrite {
 public static void main(String[] args) {
 Path filePath = Paths.get("C:/JavaProgramming/output.txt");

 try (BufferedWriter bw = Files.newBufferedWriter(filePath)) {
 bw.write("Hello, World!");
 bw.newLine();
 bw.write("Java File Writing Example.");
 System.out.println("File written: " + filePath);
 } catch (IOException e) {
 System.err.println("Error: " + e.getMessage());
 }
 }
}

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PS D:\java practic> javac FileRead.java
PS D:\java practic> java FileRead
Error: C:\JavaProgramming\sample.txt
PS D:\java practic>

breakpoint.java

12-11-2024 22:29

JAVA File

1 KB

breakpoint.class

12-11-2024 22:27

CLASS File

1 KB

packages

22-12-2024 18:15

File folder

FilePropertiesCheck.java

23-12-2024 18:57

JAVA File

1 KB

FilePropertiesCheck.class

23-12-2024 18:57

CLASS File

2 KB

FileAndDirectoryCreation.java

23-12-2024 18:58

JAVA File

1 KB

FileAndDirectoryCreation.class

23-12-2024 18:58

CLASS File

2 KB

FileCopyMove.java

23-12-2024 18:59

JAVA File

1 KB

FileCopyMove.class

23-12-2024 18:59

CLASS File

3 KB

FileDeletion.java

23-12-2024 19:00

JAVA File

1 KB

FileDeletion.class

23-12-2024 19:00

CLASS File

2 KB

FileRead.java

23-12-2024 19:01

JAVA File

1 KB

189 items

Search java practic

File Edit View

```
import java.io.*;
import java.nio.file.*;

public class FileRead {
    public static void main(String[] args) {
        Path filePath = Paths.get("C:/JavaProgramming/sample.txt");

        try (BufferedReader br = Files.newBufferedReader(filePath)) {
            String line;
            while ((line = br.readLine()) != null) {
                System.out.println(line);
            }
        } catch (IOException e) {
            System.err.println("Error: " + e.getMessage());
        }
    }
}
```

81°F
Partly cloudy

Search

ENG
IN

19:02
23-12-2024

File Explorer window showing the contents of the 'java practic' folder. The folder contains two files: 'ReverseString.class' (2 KB, CLASS File) and 'ReverseString.java' (1 KB, JAVA File).

Windows PowerShell window showing the execution of the 'FileDeletion' program:

```
PS D:\java practic> javac FileDeletion.java
PS D:\java practic> java FileDeletion
File deleted: C:\JavaProgramming\gameData\Highscores.txt
PS D:\java practic> |
```

The file list below the PowerShell window shows the following files:

Name	Date modified	Type	Size
FileAndDirectoryCreation.java	23-12-2024 18:58	JAVA File	1 KB
FileAndDirectoryCreation.class	23-12-2024 18:58	CLASS File	2 KB
FileCopyMove.java	23-12-2024 18:59	JAVA File	1 KB
FileCopyMove.class	23-12-2024 18:59	CLASS File	3 KB
FileDeletion.java	23-12-2024 19:00	JAVA File	1 KB
FileDeletion.class	23-12-2024 19:00	CLASS File	2 KB

187 items | 1 item selected 602 bytes |

Code editor window showing the source code of the 'FileDeletion' program:

```
import java.io.IOException;
import java.nio.file.*;

public class FileDeletion {
    public static void main(String[] args) {
        Path filePath = Paths.get("C:/JavaProgramming/gameData/Highscores.txt");

        try {
            if (Files.exists(filePath)) {
                Files.delete(filePath);
                System.out.println("File deleted: " + filePath);
            } else {
                System.out.println("File not found: " + filePath);
            }
        } catch (IOException e) {
            System.err.println("Error: " + e.getMessage());
        }
    }
}
```

File Explorer window showing the directory structure of 'java practic'.

Windows PowerShell window showing the execution of the Java program:

```
PS D:\java practic> javac FileCopyMove.java
PS D:\java practic> java FileCopyMove
Error: C:\JavaProgramming\sample.txt
PS D:\java practic>
```

File Explorer window showing the contents of the 'java practic' directory:

Name	Date modified	Type	Size
breakpoint.java	12-11-2024 22:29	JAVA File	1 KB
breakpoint.class	12-11-2024 22:27	CLASS File	1 KB
packages	22-12-2024 18:15	File folder	
FilePropertiesCheck.java	23-12-2024 18:57	JAVA File	1 KB
FilePropertiesCheck.class	23-12-2024 18:57	CLASS File	2 KB
FileAndDirectoryCreation.java	23-12-2024 18:58	JAVA File	1 KB
FileAndDirectoryCreation.class	23-12-2024 18:58	CLASS File	2 KB
FileCopyMove.java	23-12-2024 18:59	JAVA File	1 KB

Code editor window showing the source code of the 'FileCopyMove' class:

```
import java.io.IOException;
import java.nio.file.*;
import static java.nio.file.StandardCopyOption.*;

public class FileCopyMove {
    public static void main(String[] args) {
        Path sourceFile = Paths.get("C:/JavaProgramming/sample.txt");
        Path backupFile = Paths.get("C:/JavaProgramming/backup/sample_backup.txt");

        try {
            Files.createDirectories(backupFile.getParent());
            Files.copy(sourceFile, backupFile, REPLACE_EXISTING, COPY_ATTRIBUTES);
            System.out.println("File copied to: " + backupFile);

            Path movedFile = Paths.get("C:/JavaProgramming/moved_sample.txt");
            Files.move(backupFile, movedFile, REPLACE_EXISTING);
            System.out.println("File moved to: " + movedFile);
        } catch (IOException e) {
            System.err.println("Error: " + e.getMessage());
        }
    }
}
```

File Explorer window showing the directory structure of the 'java practic' folder. The left sidebar shows the navigation pane with 'Home', 'Gallery', 'Downloads', 'Documents', 'Pictures', 'Videos', 'Music', 'java practic', 'Java Program', 'packages', and 'Screenshots'. The main pane displays the contents of the 'java practic' folder, including a list of files and folders.

Windows PowerShell window showing the execution of the Java program:

```
PS D:\java practic> javac FileAndDirectoryCreation.java
PS D:\java practic> java FileAndDirectoryCreation
Directory created: C:\JavaProgramming\gameData
File created: C:\JavaProgramming\gameData\Highscores.txt
PS D:\java practic>
```

File Name	Modified Date	File Type	Size
helloworld.class	12-11-2024 22:50	CLASS File	1 KB
addition.class	12-11-2024 22:39	CLASS File	1 KB
addition.java	12-11-2024 22:37	JAVA File	1 KB
breakpoint.java	12-11-2024 22:29	JAVA File	1 KB
breakpoint.class	12-11-2024 22:27	CLASS File	1 KB
packages	22-12-2024 18:15	File folder	
FilePropertiesCheck.java	23-12-2024 18:57	JAVA File	1 KB
FilePropertiesCheck.class	23-12-2024 18:57	CLASS File	2 KB
FileAndDirectoryCreation.java	23-12-2024 18:56	JAVA File	1 KB

Code editor window showing the source code of the 'FileAndDirectoryCreation' class. The code is written in Java and uses the 'java.io' and 'java.nio.file' packages.

```
import java.io.IOException;
import java.nio.file.*;

public class FileAndDirectoryCreation {
    public static void main(String[] args) {
        Path dirPath = Paths.get("C:/JavaProgramming/gameData");
        Path filePath = Paths.get("C:/JavaProgramming/gameData/Highscores.txt");

        try {
            if (Files.notExists(dirPath)) {
                Files.createDirectories(dirPath);
                System.out.println("Directory created: " + dirPath);
            }
            if (Files.notExists(filePath)) {
                Files.createFile(filePath);
                System.out.println("File created: " + filePath);
            }
        } catch (IOException e) {
            System.err.println("Error: " + e.getMessage());
        }
    }
}
```


java practic

Windows PowerShell

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```
PS D:\java practic> javac FilePropertiesCheck.java
PS D:\java practic> java FilePropertiesCheck
Readable : false
Writable : false
Executable: false
Exception in thread "main" java.nio.file.NoSuchFileException: C:\JavaProgramming\sample.txt
    at java.base/sun.nio.fs.WindowsException.translateToIOException(WindowsException.java:85)
    at java.base/sun.nio.fs.WindowsException.rethrowAsIOException(WindowsException.java:103)
    at java.base/sun.nio.fs.WindowsException.rethrowAsIOException(WindowsException.java:108)
    at java.base/sun.nio.fs.WindowsFileSystemProvider.isHidden(WindowsFileSystemProvider.java:1653)
    at java.nio.file.Files.isHidden(Files.java:1653)
    at FilePropertiesCheck.main(FilePropertiesCheck.java:10)
PS D:\java practic>
```

File Name	Modified	Type	Size
Customer.class	13-11-2024 09:35	CLASS File	2 KB
Student.java	13-11-2024 09:40	JAVA File	1 KB
Customer.java	13-11-2024 09:32	JAVA File	1 KB
helloworld.java	12-11-2024 22:52	JAVA File	1 KB
helloworld.class	12-11-2024 22:50	CLASS File	1 KB
addition.class	12-11-2024 22:39	CLASS File	1 KB
addition.java	12-11-2024 22:37	JAVA File	1 KB
breakpoint.java	12-11-2024 22:29	JAVA File	1 KB
breakpoint.class	12-11-2024 22:27	CLASS File	1 KB
packages	22-12-2024 18:15	File folder	
FilePropertiesCheck.java	23-12-2024 18:57	JAVA File	1 KB

181 items

Search java practic

File Edit View

```
import java.nio.file.*;

public class FilePropertiesCheck {
    public static void main(String[] args) throws Exception {
        Path filePath = Paths.get("C:/JavaProgramming/sample.txt");

        System.out.println("Readable : " + Files.isReadable(filePath));
        System.out.println("Writable : " + Files.isWritable(filePath));
        System.out.println("Executable: " + Files.isExecutable(filePath));
        System.out.println("Hidden : " + Files.isHidden(filePath));
    }
}
```

File Explorer window showing the contents of the 'java practic' folder. The left sidebar shows the navigation pane with 'java practic' selected. The main pane displays a list of files and folders.

Name	Date modified	Type	Size
EnumToStringExample.java	23-11-2024 10:32	JAVA File	1 KB
IterateCharacters.class	23-11-2024 10:29	CLASS File	1 KB
Windows PowerShell			
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWin			
PS D:\java practic> javac FileExistenceCheck.java			
PS D:\java practic> java FileExistenceCheck			
Exists? false			
Not Exists? true			
PS D:\java practic>			
addition.class	12-11-2024 22:39	CLASS File	1 KB
addition.java	12-11-2024 22:37	JAVA File	1 KB
breakpoint.java	12-11-2024 22:29	JAVA File	1 KB
breakpoint.class	12-11-2024 22:27	CLASS File	1 KB
packages	22-12-2024 18:15	File folder	
FileExistenceCheck.java	23-12-2024 18:56	JAVA File	1 KB

179 items |

```
import java.nio.file.*;

public class FileExistenceCheck {
    public static void main(String[] args) {
        Path path = Paths.get("C:/JavaProgramming/I02");

        boolean exists = Files.exists(path);
        System.out.println("Exists? " + exists);

        boolean notExists = Files.notExists(path);
        System.out.println("Not Exists? " + notExists);
    }
}
```