

# Overview

Delete File in Dart

Delete file in other language

Comparing Dart with other languages

# Introduction

How to delete file in dart programming language using File class and deleteSync() method

## deleteSync method

#### Declaration

The following code is the declaration for **deleteSync()** method

```
void deleteSync(
{bool recursive = false}
)
```

FileSystemEntity is a directory

```
// FileSystemEntity
File file = File('test.txt');
```

if **recursive** is false, the directory must be empty. and if **recursive** is true, **FileStstemEntity** will be deleted including, all directory and sub-directories and files in the directories



### Example deleteSync()

Assuming that file named test.txt is in the same directory with dart program

```
// dart program to delete file
 import 'dart:io';
 void main() {
   // open file
   File file = File('test.txt');
   // delete file
   file.deleteSync();
   print('File deleted.');
▼ Output
 File deleted.
```





## existsSync abstract method

### Declaration

The following code is the declaration for existsSync() method

bool existsSync()

use existsSync() method to check whether if a file exists or not



Example existsSync()

```
// dart program to delete file if exists
  import 'dart:io';
  void main() {
    // open file
    File file = File('test.txt');
    // check if file exists
    if (file.existsSync()) {
     // delete file
     file.deleteSync();
      print('File deleted.');
    } else {
      print('File does not exist.');
▼ Output
                                                    O
  File does not exist.
```



import dart:io library to use **deleteSync()** for Synchronously deletes this FileSystemEntity and **existsSync()** for Synchronously checks whether the file system entity with this path exists.

# Delete file in other language (Java)

delete() and deleteifExists() method

The method's signature is:



# **Delete file in other language**(Java)

## delete() and deleteifExists() method

## Example delete()

# // Java program to delete a file import java.io.\*; public class delete { public static void main(String[] args) { File file = new File("demo.txt"); file.delete(); System.out.println("File deleted successfully"); } } V Output File deleted successfully.

## Example deleteifExists()

```
Ф
  import java.io.IOException;
  import java.nio.file.*;
  public class deleteIfExists {
      public static void main(String[] args) {
              Files.deleteIfExists(Paths.get("demo.txt"));
         } catch (NoSuchFileException e) {
              System.out.println("No such file/directory exists");
         } catch (DirectoryNotEmptyException e) {
              System.out.println("Directory is not empty.");
         } catch (IOException e) {
              System.out.println("Invalid permissions.");
         System.out.println("Deletion successful.");
▼ Output
  Deletion successful.
```



Import java.io package to use method **delete()** to delete a file and method **deleteIfExists()** to deletes a file if it exists (remind that that parameters must be a path).

# Delete file in other language (Python)

os.remove() and os.path.exists() method

Syntax:



# Delete file in other language (Python)

os.remove() and os.path.exists() method

Example os.remove()

Example os.path.exists()



```
import os
if os.path.exists("demofile.txt"):
   os.remove("demofile.txt")
else:
   print("The file does not exist")
```



import module os to use os.remove() method to delete a file and os.path.exists() method is use to check whether the specified path is exists or not (remind that that parameters must be a path).

# Delete file in other language (C)

remove() function

Syntax:

Example remove()

```
int remove(const char *filename);
```

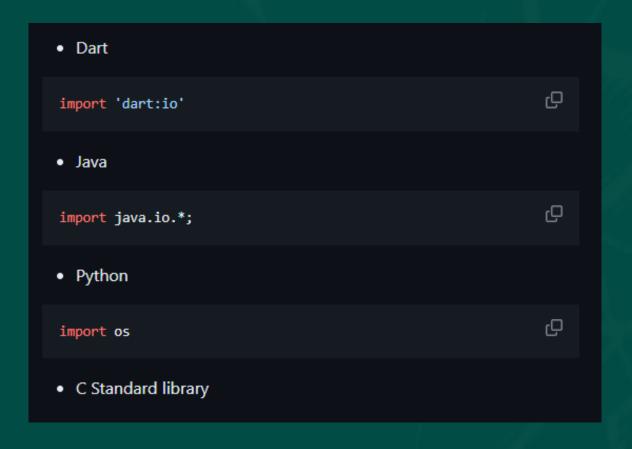
```
#include <stdio.h>

int main() {
   char* filename = "myfile.txt";
   int status = remove(filename);
   if (status == 0) {
      printf("File '%s' deleted successfully.\n", filename);
   } else {
      printf("Error deleting file '%s'.\n", filename);
   }
   return 0;
}
```

Use the C remove() function from the standard library to delete a file.

# Comparing Dart with other languages (Python, C and Java)

The File Handling must import library or module that is related with I/O Streams (Input and output operations is required).



# Comparing Dart with other languages (Python, C and Java)

After import library or module, use method or function for FileHandling target (remind that that parameters must be a path).



## Reference

### Dart

https://api.flutter.dev/flutter/dart-io/FileSystemEntity/deleteSync.html

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### •Java

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<u>file.Path)</u>

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https://www.geeksforgeeks.org/delete-file-using-java/

### Python

https://docs.python.org/3/library/os.html

https://docs.python.org/3/library/os.path.html?highlight=os%20path%20exists#os.path.exists

https://www.w3schools.com/python/python file remove.asp

### •C

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