

WRITE FILE IN DART

Introduction

In this section, you will learn how to write file in dart programming language by using **File** class and **writeAsStringSync()** method.

Write File In Dart

Let's create a file named **test.txt** in the same directory of your dart program and write some text in it.

```
// dart program to write to file
import 'dart:io';

void main() {
  // open file
  File file = File('test.txt');
  // write to file
  file.writeAsStringSync('Welcome to test.txt file.');
  print('File written.');
}
```

› Show Output

Info

Note: If you have already some content in **test.txt** file, then it will be removed and replaced with new content.

Add New Content To Previous Content

You can use **FileMode.append** to add new content to previous content. Assume that **test.txt** file already contains some text.

```
Welcome to test.txt file.
```

Now, let's add new content to it.

```
// dart program to write to existing file
import 'dart:io';

void main() {
    // open file
    File file = File('test.txt');
    // write to file
    file.writeAsStringSync('\nThis is a new content.', mode:
 FileMode.append);
    print('Congratulations!! New content is added on top of previous
content.');
}
```

› Show Output

Write CSV File In Dart

In the example below, we will ask user to enter **name** and **phone** of 3 students and write it to a csv file named **students.csv**.

```
// dart program to write to csv file
import 'dart:io';

void main() {
    // open file
    File file = File("students.csv");
    // write to file
    file.writeAsStringSync('Name,Phone\n');
    for (int i = 0; i < 3; i++) {
        // user input name
        stdout.write("Enter name of student ${i + 1}: ");
        String? name = stdin.readLineSync();
        stdout.write("Enter phone of student ${i + 1}: ");
        // user input phone
        String? phone = stdin.readLineSync();
        file.writeAsStringSync('$name,$phone\n', mode: FileMode.append);
    }
    print("Congratulations!! CSV file written successfully.");
}
```

› Show Output

students.csv file will look like this:

Name , Phone
John , 1234567890
Mark , 0123456789
Elon , 0122112322



Info

Note: You can create any type of file using **writeAsStringSync()** method. For example, **.html**, **.json**, **.xml**, etc.

Video

Watch our video on file write in Dart.