

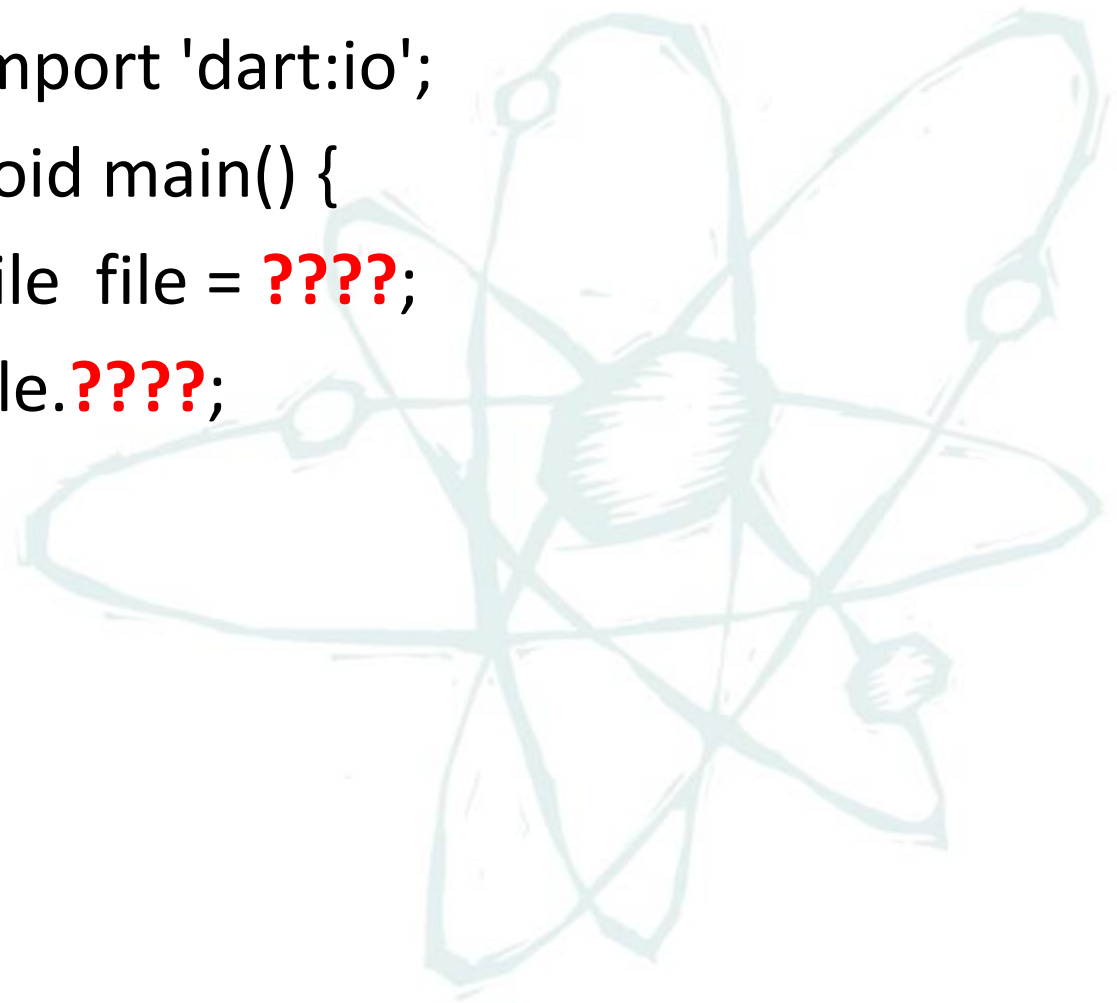


แบบฝึกหัดในเรื่อง

File Handling in Dart

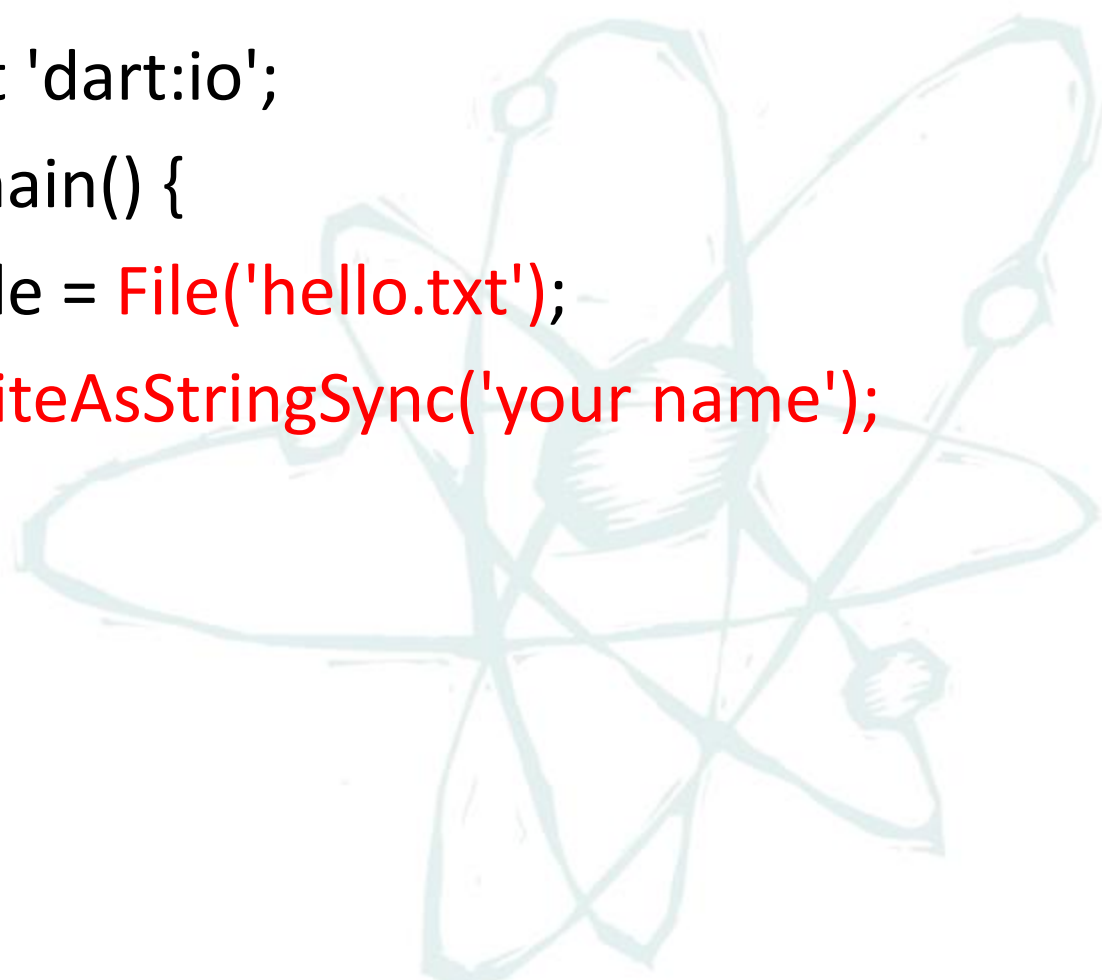
1. Write a dart program to add your name to "hello.txt" file.

```
import 'dart:io';  
void main() {  
  File file = ???;  
  file.???;  
}
```



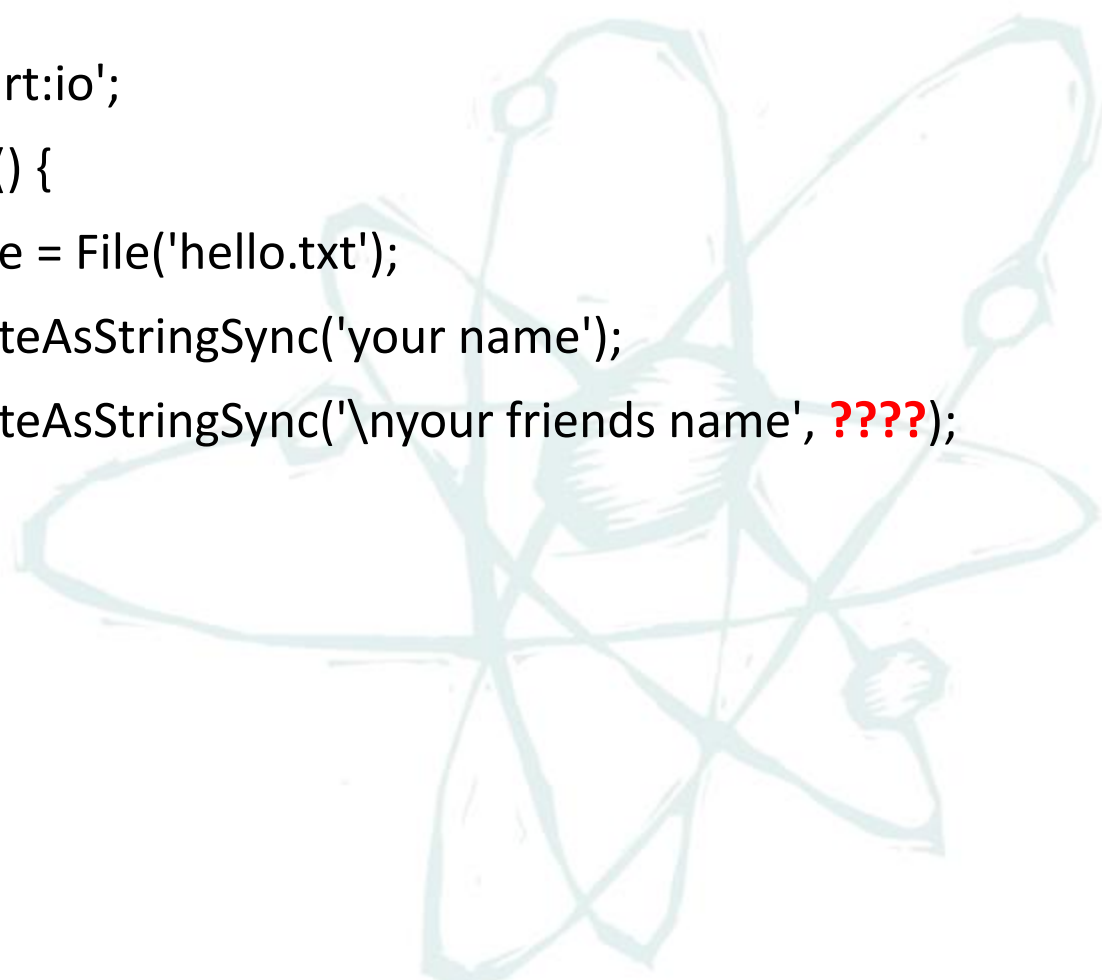
1. Write a dart program to add your name to "hello.txt" file.

```
import 'dart:io';
void main() {
  final file = File('hello.txt');
  file.writeAsStringSync('your name');
}
```



2. Write a dart program to append your friends name to a file that already has your name.

```
import 'dart:io';  
void main() {  
    final file = File('hello.txt');  
    file.writeAsStringSync('your name');  
    file.writeAsStringSync('\nyour friends name', ???);  
}
```



2. Write a dart program to append your friends name to a file that already has your name.

```
import 'dart:io';

void main() {
    final file = File('hello.txt');
    file.writeAsStringSync('your name');
    file.writeAsStringSync('\nyour friends name', mode:
        FileMode.append);
}
```

3. Write a dart program to get the current working directory.

-ตรวจสอบให้แน่ใจว่าคุณได้เพิ่มแพ็คเกจเส้นทางลงในไฟล์ **pubspec.yaml** ของคุณ

dependencies:

path: ^1.8.0

- นำเข้าไลบรารีที่จำเป็นและสร้างโปรแกรม **Dart**

```
import 'dart:io';
```

```
import 'package:path/path.dart';
```

```
void main() {
```

```
String currentDirectory = Directory.current.path;
```

```
print('Current working directory: $currentDirectory');
```

```
}
```

4. Write a dart program to copy the "hello.txt" file to "hello_copy.txt" file.

```
import 'dart:io';  
void main() {  
  copyFile("hello.txt", "hello_copy.txt");  
}
```

```
void copyFile(String sourcePath, String destinationPath) {  
  File sourceFile = File(sourcePath);  
  File destinationFile = File(destinationPath);  
  if (!sourceFile.existsSync()) {  
    print("Source file not found.");  
    return;  
  }  
  try {  
    sourceFile.????(destinationPath);  
    print("File copied successfully.");  
  } catch (e) {  
    print("An error occurred: $e");  
  }  
}
```



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4. Write a dart program to copy the "hello.txt" file to "hello_copy.txt" file.

```
import 'dart:io';  
void main() {  
  copyFile("hello.txt", "hello_copy.txt");  
}
```

```
void copyFile(String sourcePath, String destinationPath) {  
  File sourceFile = File(sourcePath);  
  File destinationFile = File(destinationPath);  
  if (!sourceFile.existsSync()) {  
    print("Source file not found.");  
    return;  
  }  
  try {  
    sourceFile.copySync(destinationPath);  
    print("File copied successfully.");  
  } catch (e) {  
    print("An error occurred: $e");  
  }  
}
```



5. Write a dart program to create 100 files using loop.

```
import 'dart:io';

void main() {
  for (int i = 1; i <= 100; i++) {
    createFile('file_${i}.txt', 'This is the content of file ${i}.');
  }
}

void createFile(String filename, String content) {
  File file = File(????);
  try {
    file.writeAsStringSync(????);
    print('File $filename created successfully.');
```

```
  } catch (e) {
```

```
    print('An error occurred: $e');
```

```
  }
```

```
}
```

5. Write a dart program to create 100 files using loop.

```
import 'dart:io';

void main() {
  for (int i = 1; i <= 100; i++) {
    createFile('file_${i}.txt', 'This is the content of file ${i}.');
  }
}

void createFile(String filename, String content) {
  File file = File(filename);
  try {
    file.writeAsStringSync(content);
    print('File $filename created successfully.');
```

```
} catch (e) {
```

```
  print('An error occurred: $e');
```

```
}
```

```
}
```

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6. Write a dart program to delete the file "hello_copy.txt" Make sure you have created the file "hello_copy.txt".

```
import 'dart:io';

void main() {
    final filename = 'hello_copy.txt';
    if (File(filename).existsSync()) {
        deleteFile(filename);
    } else {
        print("File $filename does not exist.");
    }
}

void deleteFile(String filename) {
    try {
        File(filename).deleteSync();
        print("File $filename deleted successfully.");
    } catch (e) {
        print("An error occurred: $e");
    }
}
```



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7. Write a dart program to store name, age, and address of students in a csv file and read it.

```
import 'dart:io';

import 'package:csv/csv.dart';

void main() {
  final students = <Map<String, dynamic>>[];

  // Collect student information
  for (var i = 1; i <= 3; i++) {
    stdout.write('Enter name of student $i: ');
    final name = stdin.readLineSync() ?? '';
    stdout.write('Enter age of student $i: ');
    final age = stdin.readLineSync() ?? '';
    stdout.write('Enter address of student $i: ');
    final address = stdin.readLineSync() ?? '';

    students.add({
      'Name': name,
      'Age': age,
      'Address': address,
    });
  }
}
```

```
// Write the student information to a CSV file
final csvFile = File('students.csv');
csvFile.writeAsString(const ListToCsvConverter().convert(students));

print('Student information has been saved to students.csv');

// Read and display the contents of the CSV file
final csvContent = csvFile.readAsStringSync();
final csvToList = CsvToListConverter().convert(csvContent);

print('\nStudent information from students.csv:');
for (final row in csvToList) {
  final name = row[0];
  final age = row[1];
  final address = row[2];

  print('Name: $name, Age: $age, Address: $address');
}
}
```