

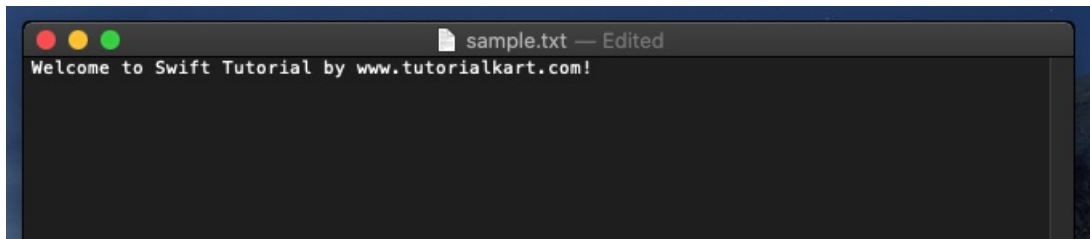
## Swift – Read Text File

### Swift – Read Text File

To read a Text File in Swift, we can prepare the file url and then use String initializer `init(contentsOf: url)` that returns file content as a string.

In this tutorial, we will learn how to read a text file.

Consider the following file, `sample.txt`, present in Documents folder of the user.



In the following swift program, `main.swift`,

- We are locating the folder, in this case Documents folder, using `FileManager.default.urls`.
- Then appending the text file name to the folder location, using `appendingPathComponent()`.
- Finally, we use String() initializer method `String(contentsOf: , encoding: )` to read the file contents to a string.

`main.swift`

```
import Foundation
```

```

import Foundation

let file = "sample.txt"

var result = ""

//if you get access to the directory
if let dir = FileManager.default.urls(for: .documentDirectory, in: .userDomainMask).first {

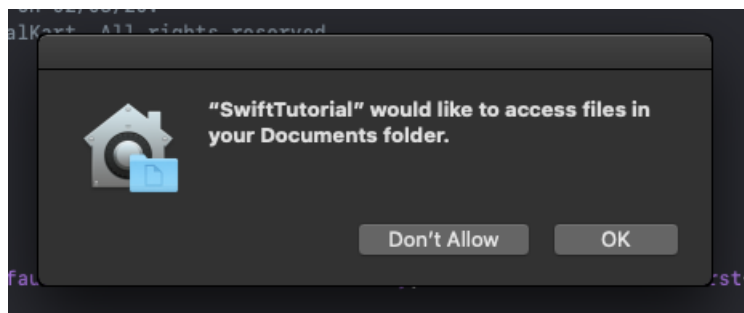
    //prepare file url
    let fileURL = dir.appendingPathComponent(file)

    do {
        result = try String(contentsOf: fileURL, encoding: .utf8)
    }
    catch { /* handle if there are any errors */ }
}

print(result)

```

Run the program, and for the first time, if build is successful, you may see the following pop up in your Mac. Click on OK.



After you click Ok, you should see the following output.

### Terminal Output

Terminal

```
Welcome to Swift
Tutorial by
```

```
Welcome to Swift Tutorial by www.tutorialkart.com!
Program ended with exit code: 0
```

## Summary

In this [Swift Tutorial](#), we learned how to read a text file to a string using Swift in Mac.

## Swift Tutorial

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## Strings

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## Arrays

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## Dictionaries

↳ [Swift Dictionary](#)

↳ [Swift - Create Dictionary](#)

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‡ Swift - Iterate through Dictionary

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‡ Swift - Add or Append Element to Dictionary

‡ Swift - Get value using key in Dictionary

‡ Swift - Check if a key is present in Dictionary

‡ Swift - Merge Two Dictionaries

‡ Swift - Convert Dictionary into Arrays of Keys and Values

‡ Swift - Print all Keys in a Dictionary

## Sets

‡ Swift Print Set

‡ Swift Get Set Size

‡ Swift Insert Element to Set

‡ Swift Check if Element is present in Set

## File Operations

‡ Swift Read Text File

## Swift Errors [Solved]

‡ Swift error: return from initializer without initializing all stored properties

‡ Swift - struct error: missing argument labels in call