

File handling

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Learning Objectives

We will learn how to



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We will learn how to

- **Open a file in read mode**



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- Write to a file



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We will learn how to

- Open a file in read mode
- Write to a file
- Open a file in append mode



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- **Write to a file**
- **Open a file in append mode**
- **Close the file handle**



System Requirements



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- **Ubuntu Linux 12.04 OS**



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- **Perl 5.14.2**



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- **gedit Text Editor**



Pre-requisites

- **Working knowledge of Perl Programming**



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- For relevant Perl tutorials, visit <http://spoken-tutorial.org>



Basic Operations with files



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The basic operations we can do with files are:



Basic Operations with files

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- **Open a file**



Basic Operations with files

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- Read from a file



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Basic Operations with files

The basic operations we can do with files are:

- Open a file
- Read from a file
- Write to a file
- Close a file



Default File Handles



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The default file handles are:



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The default file handles are:

- **STDIN** - Standard Input



Default File Handles

The default file handles are:

- **STDIN** - Standard Input
- **STDOUT** - Standard Output



Default File Handles

The default file handles are:

- **STDIN** - Standard Input
- **STDOUT** - Standard Output
- **STDERR** - Standard Error



Opening a File:

Syntax:

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Example:

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`open (FILEHANDLE, Mode, EXPR);`

Example:

- `open(DATA, "<", "First.txt");`
or
- `open(DATA, "<First.txt");`



Opening a file for writing:



Opening a file for writing:

Syntax:

```
open (FILEHANDLE, ">filename");
```

Example:

```
open (DATA, ">write.txt");
```



Opening a file for appending:



Opening a file for appending:

Syntax:

```
open (FILEHANDLE, ">>filename");
```

Example:

```
open (DATA, ">>write.txt");
```



File Attributes:

+<file	READ, WRITE
+>file	READ, WRITE, CREATE, TRUNCATE
+>>file	READ, WRITE, CREATE, APPEND



Summary

In this tutorial we learnt to

- **Open a file in read mode**
- **Write to a file**
- **Open a file in append mode**
- **Close the file handle**



Assignment

- 1 Change the file attribute to **+**> in the writefile.pl program
- 2 Save and execute the program
- 3 Open the **second.txt** file to see the output
- 4 Analyse the usage of file attribute **+**>



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- It summarises the Spoken Tutorial project
- If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates to those who pass an online test
- For more details, please write to contact@spoken-tutorial.org



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- More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>

