

# 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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- Write to a file
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- **Open a file in read mode**
- **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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- Working knowledge of Perl Programming
- 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

The basic operations we can do with files are:

- **Open 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



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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:

```
open (FILEHANDLE, Mode, EXPR);
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open (FILEHANDLE, Mode, EXPR);
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## 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:

<b>+&lt;file</b>	<b>READ, WRITE</b>
<b>+&gt;file</b>	<b>READ, WRITE, CREATE, TRUNCATE</b>
<b>+&gt;&gt;file</b>	<b>READ, WRITE, CREATE, APPEND</b>



# 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](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](mailto:contact@spoken-tutorial.org)



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- More information on this Mission is available at

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

