

Files in C

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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20 June 2012



Learning Objectives



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- To open a file



Learning Objectives

- ▶ **To open a file**
- ▶ **To read data from a file**



Learning Objectives

- ▶ To open a file
- ▶ To read data from a file
- ▶ To write data into a file



Learning Objectives

- ▶ To open a file
- ▶ To read data from a file
- ▶ To write data into a file
- ▶ Examples



System Requirements



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- ▶ **Ubuntu OS v. 11.10**



System Requirements

- ▶ **Ubuntu OS v. 11.10**
- ▶ **gcc Compiler v. 4.6.1**



Introduction



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- ▶ **File is a collection of data**



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- ▶ **File is a collection of data**
- ▶ It can be a database, a program, a letter or anything



Introduction

- ▶ **File is a collection of data**
- ▶ **It can be a database, a program, a letter or anything**
- ▶ **We can create a file and access it using C**



Syntax



Syntax

► `fp = fopen("filename", "mode");`



Modes



Modes

- ▶ **w** - creates file for read and write



Modes

- ▶ **w** - creates file for read and write
- ▶ **r** - opens file for reading



Modes

- ▶ **w** - creates file for read and write
- ▶ **r** - opens file for reading
- ▶ **a** - writing at the end of file



Summary

- ▶ **File handling**
- ▶ **To write data into a file**
 - ▶ eg. `fp = fopen("Sample.txt, "w");`
- ▶ **To read data from a file**
 - ▶ eg. `fp = fopen("Sample.txt, "r");`



Assignment

- ▶ Write a program to create a file TEST
- ▶ Write your name and address in the file TEST
- ▶ Then display it on the console using C program



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



Acknowledgements

- ▶ **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- ▶ **It is supported by the National Mission on Education through ICT, MHRD, Government of India**
- ▶ **More information on this Mission is available at:**

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

