

Pointers in C and C++

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Learning Objectives



Learning Objectives

► Pointers



Learning Objectives

- ▶ **Pointers**
- ▶ **To create Pointers**



Learning Objectives

- ▶ **Pointers**
- ▶ **To create Pointers**
- ▶ **And operations on Pointers**



Learning Objectives

- ▶ **Pointers**
- ▶ **To create Pointers**
- ▶ **And operations on Pointers**
- ▶ **Through an example**



System Requirements



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- ▶ **Ubuntu OS v. 11.10**



System Requirements

- ▶ **Ubuntu OS v. 11.10**
- ▶ **gcc and g++ Compiler v. 4.6.1 on Ubuntu**



Introduction to pointers



Introduction to pointers

- ▶ **Pointers point to the locations in memory**



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Introduction to pointers

- ▶ **Pointers point to the locations in memory**
- ▶ **Pointers store the memory address**



Introduction to pointers

- ▶ Pointers point to the locations in memory
- ▶ Pointers store the memory address
- ▶ It also gives value stored at that address



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Summary



Summary

- ▶ **About the pointer**
- ▶ **To create a pointer**
- ▶ **Operation on pointer**



Assignment

- ▶ Write a C and C++ program, declare a variable and pointer
- ▶ Store the address of variable in the pointer
- ▶ Print the value of pointer



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

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- ▶ **More information on this Mission is available at:**

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

