

# Scope of variables 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



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- ▶ **Scope of variables**



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- ▶ **Examples**



Talk to a Teacher

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- ▶ **Global variable**
- ▶ **Local variable**
- ▶ **Examples**
- ▶ **Some common errors and their solutions**



# System Requirements





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- ▶ **Ubuntu OS v. 11.04**



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- ▶ **Ubuntu OS v. 11.04**
- ▶ **gcc and g++ Compiler v. 4.6.1**



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  - ▶ Global Variable
  - ▶ Local Variable



# Summary

- ▶ **Scope of variables**
- ▶ **Global variable**
  - ▶ eg. `int a = 5;`
- ▶ **Local variable**
  - ▶ eg. `int sum;`





# Assignment

- ▶ **Write a program to print the difference of two numbers**



# 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>

