

# String Library Functions in 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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## ► String Library Functions



# Learning Objectives

- ▶ **String Library Functions**
- ▶ **Some examples**



# System Requirements



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- ▶ **Ubuntu OS v. 11.10**



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



# Introduction





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- ▶ Various operations such as copying, concatenation, searching are supported



# strncpy()



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## ► Syntax



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► `strncpy(char str1, char str2, int n );`



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- `strncpy(char str1, char str2, int n );`
  - eg. `char strncpy(char hello, char world, 2);`



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- `strncpy(char str1, char str2, int n );`
  - eg. `char strncpy(char hello, char world, 2);`
  - Wollo



# strncmp()





# strncmp()

## ► Syntax



# strncmp()

## ► Syntax

► `strncmp(char str1, char str2, int n);`



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## ► Syntax

- `strncmp(char str1, char str2, int n);`
  - eg. `int strncmp(char ice, char icecream, 2);`



# strncmp()

## ► Syntax

- `strncmp(char str1, char str2, int n);`
  - eg. `int strncmp(char ice, char icecream, 2);`
  - 0



# Summary

- ▶ **String library functions**
  - ▶ `strlen()`
  - ▶ `strcpy()`
  - ▶ `strcmp()`
  - ▶ `strncpy()`
  - ▶ `strncmp()`



# Assignment

- ▶ **Write a C Program to concatenate String best and String bus**
- ▶ **Hint: `strcat(char str1, char str2);`**
- ▶ **Explore the other functions in string library**



# 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>

