

Advance topics in a function

Talk to a Teacher Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://www.sakshat.ac.in>

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Learning Objectives



Learning Objectives

- ▶ `source` **command**



Learning Objectives

- ▶ source **command**
- ▶ **To put a function in background**



Learning Objectives

- ▶ source **command**
- ▶ To put a function in **background**
- ▶ **With the help of some examples**



Prerequisite



Prerequisite

- ▶ Knowledge of Shell Scripting



Prerequisite

- ▶ Knowledge of **Shell Scripting**
- ▶ If not, for relevant tutorials please visit <http://spoken-tutorial.org>



System Requirements



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- ▶ **Ubuntu Linux 12.04 OS**



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- ▶ **GNU Bash version 4.2**



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- ▶ **Ubuntu Linux 12.04 OS**
- ▶ **GNU Bash version 4.2**
- ▶ **GNU Bash version 4 or above is recommended for practice**



Source Command



Source Command

- ▶ **Used to load any file into Shell script**



Source Command

- ▶ Used to load any file into Shell script
- ▶ Reads and execute commands from that file



Source Command

- ▶ Used to load any file into Shell script
- ▶ Reads and execute commands from that file
- ▶ Imports code into the script



Source Command



Source Command

- ▶ **Useful when multiple scripts use a common data or function library**



Source Command



Source Command

Syntax:

▶ `source <filename>`



Source Command

Syntax:

- ▶ `source <filename>`
- ▶ `source <Path_to_file>`



Source Command

Syntax:

- ▶ `source <filename>`
- ▶ `source <Path_to_file>`
- ▶ `source <filename> <arguments>`



Background Function



Background Function

- ▶ Run a process in the background, we use `&` at the end of a function call



Background Function

- ▶ Run a process in the background, we use `&` at the end of a function call
- ▶ Shell forks a child process



Background Function

- ▶ Run a process in the background, we use `&` at the end of a function call
- ▶ Shell forks a child process
- ▶ The forked process will have a job number and a PID



Summary



Summary

- ▶ source **command**
- ▶ To put function in **background**
- ▶ With the help of some examples



Assignment

Write a program,

- ▶ Write a function **add** to add two numbers and call the function in another file.



About the Spoken Tutorial Project

- ▶ Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
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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



Acknowledgment

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- ▶ 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>

