Command Line Arguments and Quoting

Talk to a Teacher Project
http://spoken-tutorial.org
National Mission on Education through ICT
http://www.sakshat.ac.in

FOSSEE & Spoken Tutorial Team
IIT Bombay

3 June 2013

Learning Objectives

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- **Command line Arguments**

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- **Quoting**

Prerequisite

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- **You should be familiar with Linux Operating System**

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- **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 4.1.10**

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- **GNU Bash version 4.1.10**
- **GNU Bash version 4 or above is recommended for practice**

Command Line Arguments

- **Shell script can accept arguments from command line**

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- **An argument is passed to a program being called**

Command Line Arguments

- **Shell script can accept arguments from command line**
- **An argument is passed to a program being called**
- **Any number of arguments can be passed to a program**

Quoting

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- **Three types of Quotes**

Quoting

- **Three types of Quotes**
    - **Double quote**

Quoting

- **Three types of Quotes**
  - **Double quote**
  - **Single quote**

Quoting

- **Three types of Quotes**
    - **Double quote**
    - **Single quote**
    - **Backslash**

Double Quote

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- **Substitutes the value of** `variables` **and** `commands`

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- **Example:**
  `echo ''Username is $USER''`

Double Quote

- **Substitutes the value of** `variables` **and** `commands`

- **Example:**
  `echo ''Username is $USER''`

- **It displays the** `username` **of system**

Single Quote

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- **Preserves the literal meaning of each character of a given string**

Single Quote

- Preserves the literal meaning of each character of a given string
- Used to turn off special meaning of all characters

Backslash

- **Removes the special meaning from a single character**

Backslash

- **Removes the special meaning from a single character**
- **Used as an escape character**

Summary

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- **Gives certificates to those who pass an online test**

- **For more details, please write to contact@spoken-tutorial.org**

Acknowledgments

- **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**