

HERE document and strings

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

- ▶ **Special-purpose redirection called Here documents and Here strings**



Learning Objectives

- ▶ **Special-purpose redirection called Here documents and Here strings**
- ▶ **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**



Here Document



Here Document

- ▶ It is a special-purpose block of text or code



Here Document

- ▶ It is a special-purpose block of text or code
- ▶ It is a form of I/O redirect



Here Document

- ▶ It is a special-purpose block of text or code
- ▶ It is a form of I/O redirect
- ▶ It feeds a command list to an interactive program or command line



Here Document



Here Document

- ▶ It can be treated as a separate file



Here Document

- ▶ It can be treated as a separate file
- ▶ It can be treated as multiple line input redirected to a shell script



Here Document

Syntax:

```
command << HERE
```

```
text1
```

```
text2
```

```
textN
```

```
HERE
```



Here String



Here String

- ▶ **Here string is used for input redirection from text or a variable**



Here String

- ▶ Here string is used for input redirection from text or a variable
- ▶ **Input is mentioned in same line within single quotes**



Here String



Here String

Syntax:

▶ `command <<< 'string'`



Summary



Summary

- ▶ **HERE document**



Summary

- ▶ **HERE** document
- ▶ **HERE** string



Assignment

- ▶ **Convert a string to uppercase using:**
 - ▶ Here document
 - ▶ Here string
 - ▶ **(Hint: `tr a-z A-Z`)**



About the Spoken Tutorial Project

- ▶ Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- ▶ It summarizes the Spoken Tutorial project



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- ▶ 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



Acknowledgment

- ▶ 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>

