bash scripting – arguments and variables

Adapted from materials by Dr. Carrier



Jealousy

Think about other commands:

echo "Hello world!"
cat file.txt

Wouldn't it be nice if we could take in arguments too?

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Numbers > 9 need braces: \${10}

Arguments - Special cases

How many arguments do we have? \$#

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Access all arguments

As an array: \$@

As a string: \$*

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Assignment:

age=72

filname=foo.txt

message="This is a test"

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Accessing: Again use \$name:

echo "I am \$age years old!"

A note from ol' Dr. Ferg

You can access variables like this:

\$filename

Or like this:

\${filename}

Why would we prefer one or the other?

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What if we want to print "(filename)_backup"?

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What if we want to print "(filename)_backup"?

Generally, I always use \${var} for my variables to avoid any confusion.

Quotes

Double quotes: expand variables inside

Single quotes: Take everything as a literal

We do have access to "arithmetic expansion" (math)

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Common operators: