CSC252 – UNIX

BASH SCRIPTS

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STARTUP FILES

- /etc/profile

- .bash_profile

- .bash_login

- .profile

- .bashrc (interactive nonlogin shell)

- source command

SCRIPTS

- Must be executable

- #!<shell>

- # comments

VARIABLES

- Variable name

- Assignment

- Display

- $

- List variables (arrays)
  - Declare statement
  - ${name[*]} or ${name[@]}
  - ${#name[*]} or ${#name[@]}

- unset

QUOTES

- Single quote   '

- Double quote   "

- Backslash   \

- Back quote   `

ALIASES

- alias

- unalias

- Quotes in aliases

EXPRESSIONS

- Arithmetic
  - Double parenthesis
  - Can drop $ in variable names

- Operators
  - Arithmetic
  - Relational
  - String comparison
    - -n
    - -z

STATEMENTS

- if / if-else / elif

- test

- case

- for

- while

- until

- break

- continue

- select

POSITIONAL PARAMETERS

- Command-line arguments

- shift

$#	Number of positional parameters
$$	PID
$?	Exit status of most recently executed command
$0	Program name
$1 - $n	Positional parameters
$*	All positional parameters
$@	All positional parameters

FUNCTIONS

- Definition

- Arguments

- return

- export

BUILTIN COMMANDS

- type

- read

- exec

- trap