Shell Programming

A Necessity for all Programmers

Navigate Directories

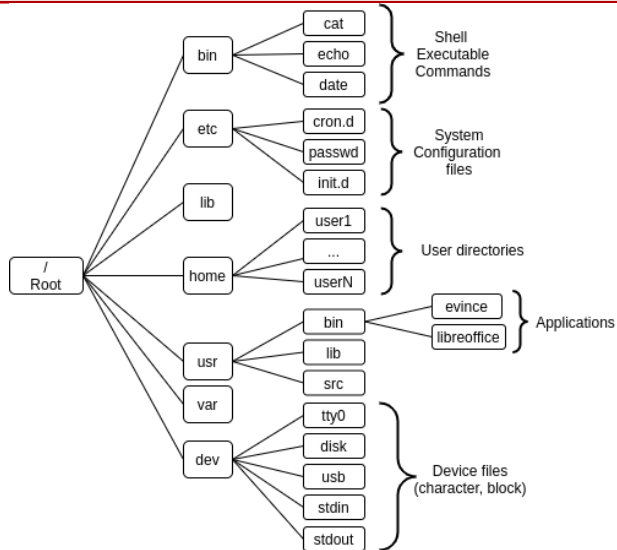Nagesh Karmali | Firuza Karmali

IITBX
Infinite Learning

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You will learn to ...

- Differentiate between absolute and relative path
- Navigate to desired directories
- Create directories

Understanding Path - Root \

Paths

- Absolute path: /home/user1/Desktop/ShellProgramming
- Relative path: user1/Desktop/ShellProgramming
  (Assuming that the current directory is home)
- Navigating: **cd**
- One level up (Parent directory): **..**
- Checking current directory: **pwd**

Navigating

- Navigate to home directory of the logged in user
  cd

- Navigate to directory
  cd /home/user1/Desktop/ShellProgramming

- Move one level (directory) up
  cd .. $\implies$ /home/user1/Desktop

- Move 2 levels up
  cd ../../ $\implies$ /home

- **pwd** $\implies$ /home

Errors

- If the directory does not exist

- If filename is given instead of directory

Create Directories

- Create multiple directories
  mkdir dir1 ... dirN

- Create parent and child directories (hierarchy): **-p**
  mkdir -p shellprogramming/examples/session5
  If any of the parent directories does not exist, then those will be created.

Now, you can ...

- Differentiate between absolute and relative path
- Navigate to desired directories
- Create directories

Thank you

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