OPERATING SYSTEM 1

Lecture 4_2

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LINUX SHELL SCRIPT

Linux Shell Script

- Shell Script is commonly used to execute administration tasks, which could be executed automatically or remotely.

- Common Linux Shell Script:
  - bash
  - sh
  - perl

Bash Script

- Bash script is a text file contain commands, which executed line by line.

- We should give Bash script file execution permission in order to run it
  - chmod +x example.bash

- Bash script should begin with this header:
  - #! /bin/bash

- Execute the bash script:
  - ./example.bash

Hello world in bash script

Program
#! /bin/bash echo hello world

Output
hello world

Variables in shell script

Program	Output
``` #! /bin/bash x=3 x = 3 # error echo x # error echo $x ```	3

Variables 2 in bash script

Program	Output
#! /bin/bash x=1 y=2 echo $x+$y # error echo $(expr $x + $y) echo $(($x+$y))	3

HOMEWORK

Homework

- Read about how to figure out the passwords of all users on linux, using only simple commands.

- Read about how to delete users on linux, using only simple commands.

- Write a simple bash script that print a welcoming message to the current user along with the date and the current directory you are working on.

- Write a simple calculator on bash script, it must includes the sum, subtract, product, division of two numbers.