notes8.md 12/15/2021

#Shell Scripting compiler: a program used for converting complete source code into machine code interpreter: a program that complete source code into machine code line by line How to create a basic script

Start vim, enable line numbers, and enter insert mode.

Type:

#!/bin/bash

echo "This is a script that displays information about your Linux system"

uname -a

Save the file and name it "script1.sh"

Type: chmod u+x script1.sh to make the file executable.

To run the script type: ./script1.sh

Variable = place holder for data

\$HOME IS THE CURRENT HOME DIRECTORY \$SHELL is the current working shell \$USER IS THE CURRENT WORKING USER

Table 5-7	File attribute o	perators in 1	the BASH shell
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File attribute operator	Description
-a	Checks whether the file exists
-d	Checks whether the file is a directory
-f	Checks whether the file is a regular file
-r	Checks whether the user has read permission for the file
-s	Checks whether the file contains data
-w	Checks whether the user has write permission for the file
-x	Checks whether the user has execute permission for the file
-0	Checks whether the user is the owner of the file
-G	Checks whether the user belongs to the group owner of the file
file1 -nt file2	Checks whether file1 is newer than file2
file1 -ot file2	Checks whether file1 is older than file2