

CHỦ ĐỀ LẬP TRÌNH SHELL TRÊN LINUX

Chủ đề: Củng cố lý thuyết

Hãy biên soạn các shell scripts sau, thực thi, nghiên cứu cách vận của từng script, dán kết quả vào cột kết quả

STT	Shell script và Kết quả	
1	Shell script	<pre>#!/bin/bash NAME="Shell Scripting is Fun!" echo \$NAME</pre>
	KQ	<pre>doan@doanb2013527-OS:~/BT_ShellScript\$./name.sh Shell Scripting is Fun!</pre>
2	Shell script	<pre>#!/bin/bash HOSTNAME=`hostname` echo "This script is running on \$HOSTNAME" I</pre>
	KQ	<pre>doan@doanb2013527-OS:~/BT_ShellScript\$./hostname.sh This script is running on doanb2013527-OS</pre>
3	Shell script	<pre>#!/bin/bash FILE=~"/Documents" if [-e "\$FILE"] then echo "\$FILE passwords are enabled" fi if [-x "\$FILE"] then echo "You have permission to execute \$FILE" else echo "You do Not have permissions to execute \$FILE" fi</pre>
	KQ	<pre>doan@doanb2013527-OS:~/BT_ShellScript\$./checkPermit.sh You do not have permissions to excuse ~/Documents</pre>

4	Shell script	<pre> ANIMALS="man bear pig dog cat sheep" for ANIMAL in \$ANIMALS do echo \$ANIMAL done </pre>
	KQ	<pre> doan@doanb2013527-0S:~/BT_ShellScript\$./animal.sh man bear pig dog cat sheep </pre>
5	Shell script	<pre> #!/bin/bash echo "Enter the file path" read FILE if [-f "\$FILE"] then echo "\$FILE is a regular file" elif [-d "\$FILE"] then echo "\$FILE is a directory" else echo "\$FILE is another type of file" fi ls -l \$FILE </pre>
	KQ	<pre> doan@doanb2013527-0S:~/BT_ShellScript\$./checkFileType.sh Enter the file path /home/doan/BT_ShellScript /home/doan/BT_ShellScript is a directory total 20 -rwxrwxr-x 1 doan doan 110 Thg 9 25 12:21 animal.sh -rwxrwxr-x 1 doan doan 242 Thg 9 25 12:25 checkFileType.sh -rwxrwxr-x 1 doan doan 248 Thg 9 25 12:16 checkPermit.sh -rwxrwxr-x 1 doan doan 76 Thg 9 25 12:11 hostname.sh -rwxrwxr-x 1 doan doan 55 Thg 9 25 12:00 name.sh doan@doanb2013527-0S:~/BT_ShellScript\$./checkFileType.sh Enter the file path name.sh name.sh is a regular file -rwxrwxr-x 1 doan doan 55 Thg 9 25 12:00 name.sh doan@doanb2013527-0S:~/BT_ShellScript\$./checkFileType.sh Enter the file path test.sh test.sh is another type of file ls: cannot access 'test.sh': No such file or directory </pre>

6	Shell script	<pre>#!/bin/bash FILE=\$1 if [-f "\$FILE"] then echo "\$FILE is a regular file" elif [-d "\$FILE"] then echo "\$FILE is a directory" else echo "\$FILE is another type of file" fi ls -l \$FILE</pre>
	KQ	<pre>doan@doanb2013527-05:~/BT_ShellScript\$./checkFileType2.sh /home/doan/BT_ShellScript /home/doan/BT_ShellScript is a directory total 24 -rwxrwxr-x 1 doan doan 110 Thg 9 25 12:21 animal.sh -rwxrwxr-x 1 doan doan 213 Thg 9 25 12:31 checkFileType2.sh -rwxrwxr-x 1 doan doan 242 Thg 9 25 12:25 checkFileType.sh -rwxrwxr-x 1 doan doan 248 Thg 9 25 12:16 checkPermit.sh -rwxrwxr-x 1 doan doan 76 Thg 9 25 12:11 hostname.sh -rwxrwxr-x 1 doan doan 55 Thg 9 25 12:00 name.sh doan@doanb2013527-05:~/BT_ShellScript\$./checkFileType2.sh name.sh name.sh is a regular file -rwxrwxr-x 1 doan doan 55 Thg 9 25 12:00 name.sh doan@doanb2013527-05:~/BT_ShellScript\$./checkFileType2.sh test.sh test.sh is another type of file ls: cannot access 'test.sh': No such file or directory</pre>
7	Shell script	<pre>#!/bin/bash while(true) do a=8 b=4 x=`\$a+\$b` y=`\$a-\$b` z=`\$a*\$b` echo "Type 1 or 2 or 3" read ans case \$ans in 1) echo "The sum of \$a and \$b is \$x & exit" ;; 2) echo "The subtraction of \$a and \$b is \$y & exit" ;; 3) echo "The multiplication of \$a and \$b is \$z & exit" ;; *) echo "Invalid entry" esac done</pre> <p>Sửa lệnh lại:</p> <pre>#!/bin/bash while(true) do a=8 b=4 x=`expr \$a + \$b` y=`expr \$a - \$b` z=`expr \$a * \$b` echo "Type 1 or 2 or 3" read ans case \$ans in 1) echo "The sum of \$a and \$b is \$x `exit`" ;; 2) echo "The subtraction of \$a and \$b is \$y `exit`" ;; 3) echo "The multiplication of \$a and \$b is \$z `exit`" ;; *) echo "Invalid entry" esac done</pre>

	KQ	<pre>doan@doanb2013527-05:~/BT_ShellScript\$./expression.sh Type 1 or 2 or 3 1 The sum of 8 and 4 is 12 Type 1 or 2 or 3 2 The subtraction of 8 and 4 is 4 Type 1 or 2 or 3 3 The multiplication of 8 and 4 is 32 Type 1 or 2 or 3 e Invalid entry Type 1 or 2 or 3 ^C doan@doanb2013527-05:~/BT_ShellScript\$</pre>
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