LU LINUX- DAY 8 Assignment 4

Left terminal (root@Control:~):

```
[root@Control ~]# ./myinfo.sh
Type your User Name here:
root

Welcome root
Today is: 12/11/2020
Time   is: 04:44:22 AM

Your current working directory is: /root
Total files in the directory: 13
The biggest file in the current directory: total 16K
-rw-r--r--. 1 root root 1.0G Dec 10 16:00 1g.img

[root@Control ~]#
```

Right terminal (root@Control:~):

```
echo "Type your User Name here:"
read name
echo " "
echo "Welcome $name"
echo "Today is: $(date +%x)"
echo "Time   is: $(date +%X)"
echo " "
echo "Your current working directory is: $(pwd)"
echo "Total files in the directory: $(ls -l | wc -l)"
echo "The biggest file in the current directory: $(ls -lSh | head -2)"
echo " "
~
~
~
~
~
~
~
~
~
~
~
"myinfo.sh" 11L, 323C
```

```
[root@Control TestFolder]#
[root@Control TestFolder]# ls -la
total 4
drwxr-xr-x. 2 root root  85 Dec 11 11:20 .
drwxr-xr-x. 3 root root  24 Dec 11 04:55 ..
-rwxr-xr-x. 1 root root 161 Dec 11 11:16 files.sh
-rw-r--r--. 1 root root   0 Dec 11 11:08 test1.txt
-rw-r--r--. 1 root root   0 Dec 11 11:08 test2.txt
-rw-r--r--. 1 root root   0 Dec 11 11:08 test3.txt
-rw-r--r--. 1 root root   0 Dec 11 04:56 .txt
[root@Control TestFolder]#
[root@Control TestFolder]# ./files.sh
[root@Control TestFolder]#
[root@Control TestFolder]# ls -la
total 16
drwxr-xr-x. 2 root root   142 Dec 11 11:29 .
drwxr-xr-x. 3 root root    24 Dec 11 04:55 ..
-rwxr-xr-x. 1 root root   161 Dec 11 11:16 files_20201211.sh
-rw-r--r--. 1 root root 12288 Dec 11 11:27 .files.sh.swp
-rw-r--r--. 1 root root     0 Dec 11 11:08 test1_20201211.txt
-rw-r--r--. 1 root root     0 Dec 11 11:08 test2_20201211.txt
-rw-r--r--. 1 root root     0 Dec 11 11:08 test3_20201211.txt
-rw-r--r--. 1 root root     0 Dec 11 04:56 .txt
[root@Control TestFolder]#
```

```
#!/bin/bash

thetime=`date +%Y-%m-%d--%H:%M:%S`
for i in *.*
do
        extn=${i##*.}
        mv $i ${i%.*}$(date "+_%Y%m%d.${extn}")
done
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
"files.sh" 8L, 126C
```

reverse.sh (execution)

```
[root@Control ~]# ./reverse.sh

Enter a number: 74985

Reverse number is:
58947

[root@Control ~]#
```

reverse.sh (source)

```bash
#!/bin/bash
echo " "
read -p "Enter a number: " num
echo " "
echo "Reverse number is: "
echo $num | rev
echo " "
```

password.sh (execution)

```
[root@Control ~]# ./password.sh

Enter the Password

123

Weak Password!!!... Password length must be >= 8

[root@Control ~]# ./password.sh

Enter the Password

12345678

Weak Password!!!...
Password must contain Numbers, Uppercase, Lowecase, and Special Character

[root@Control ~]# ./password.sh

Enter the Password

12345678A

Weak Password!!!...
Password must contain Numbers, Uppercase, Lowecase, and Special Character

[root@Control ~]# ./password.sh

Enter the Password

12345678Aa

Weak Password!!!...
Password must contain Numbers, Uppercase, Lowecase, and Special Character

[root@Control ~]# ./password.sh

Enter the Password

123456789Aa@
Cool this is a Strong Password...

[root@Control ~]#
```

password.sh (source)

```bash
#!/bin/bash
echo ""
echo "Enter the Password"
echo ""
read password
len="${#password}"
if [ $len -ge 8 ]; then
echo "$password" | grep -q [0-9]
if [ $? -eq 0 ]; then
echo "$password" | grep -q [A-Z]
if [ $?  -eq 0 ]; then
echo "$password" | grep -q [a-z]
if [ $? -eq 0 ]; then
echo "$password" | grep -q [@,#,$,%]
if [ $? -eq 0 ]; then
echo "Cool this is a Strong Password..."
else
echo ""
echo "Weak Password!!!..."
echo "Password must contain Numbers, Uppercase, Lowecase, and Special Character"
fi
else
echo ""
echo "Weak Password!!!..."
echo "Password must contain Numbers, Uppercase, Lowecase, and Special Character"
fi
else
echo ""
echo "Weak Password!!!..."
echo "Password must contain Numbers, Uppercase, Lowecase, and Special Character"
fi
else
echo ""
echo "Weak Password!!!..."
echo "Password must contain Numbers, Uppercase, Lowecase, and Special Character"
fi
else
echo ""
echo "Weak Password!!!... Password length must be >= 8"
fi
echo ""
```

"password.sh" 41L, 952C