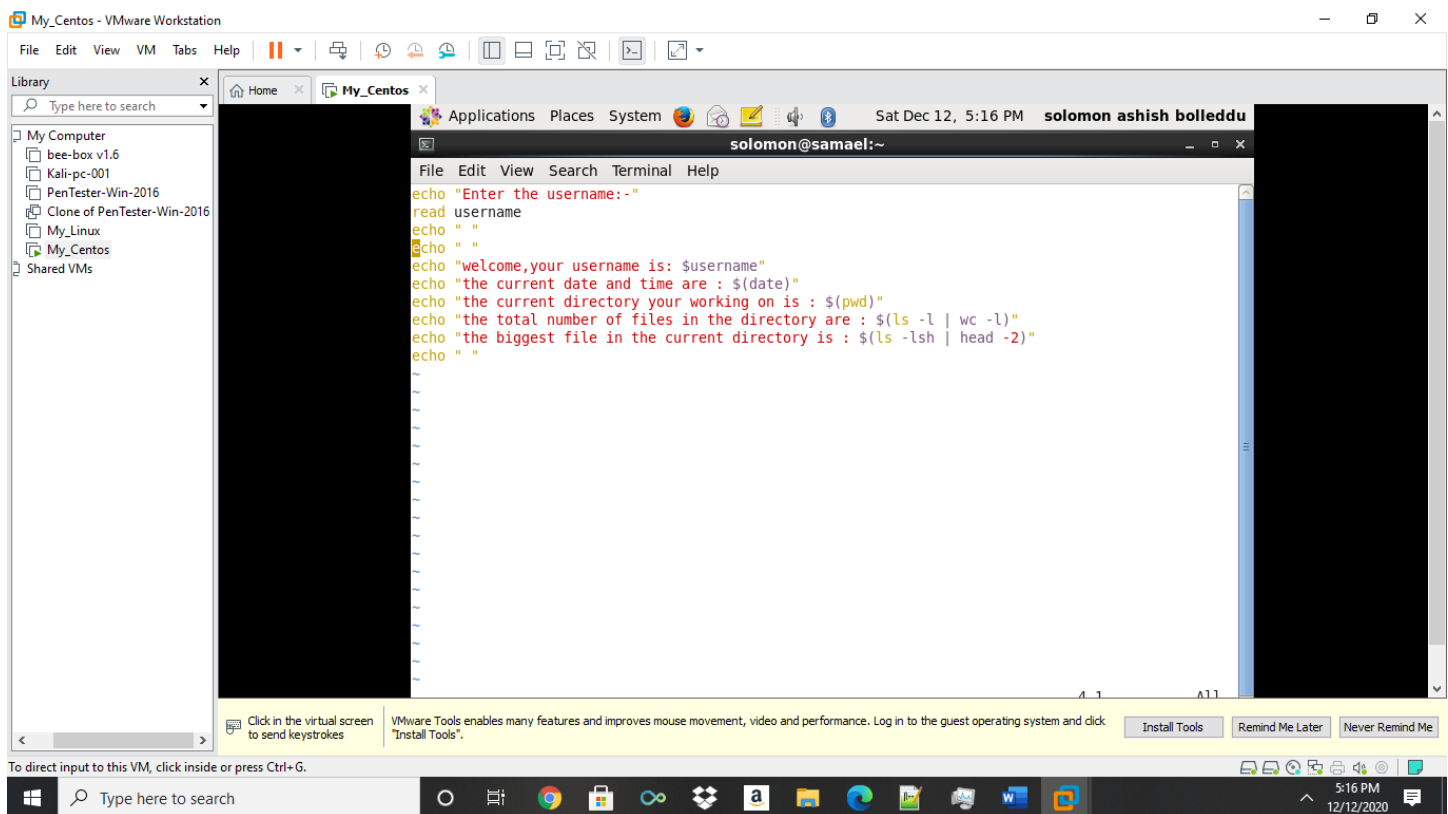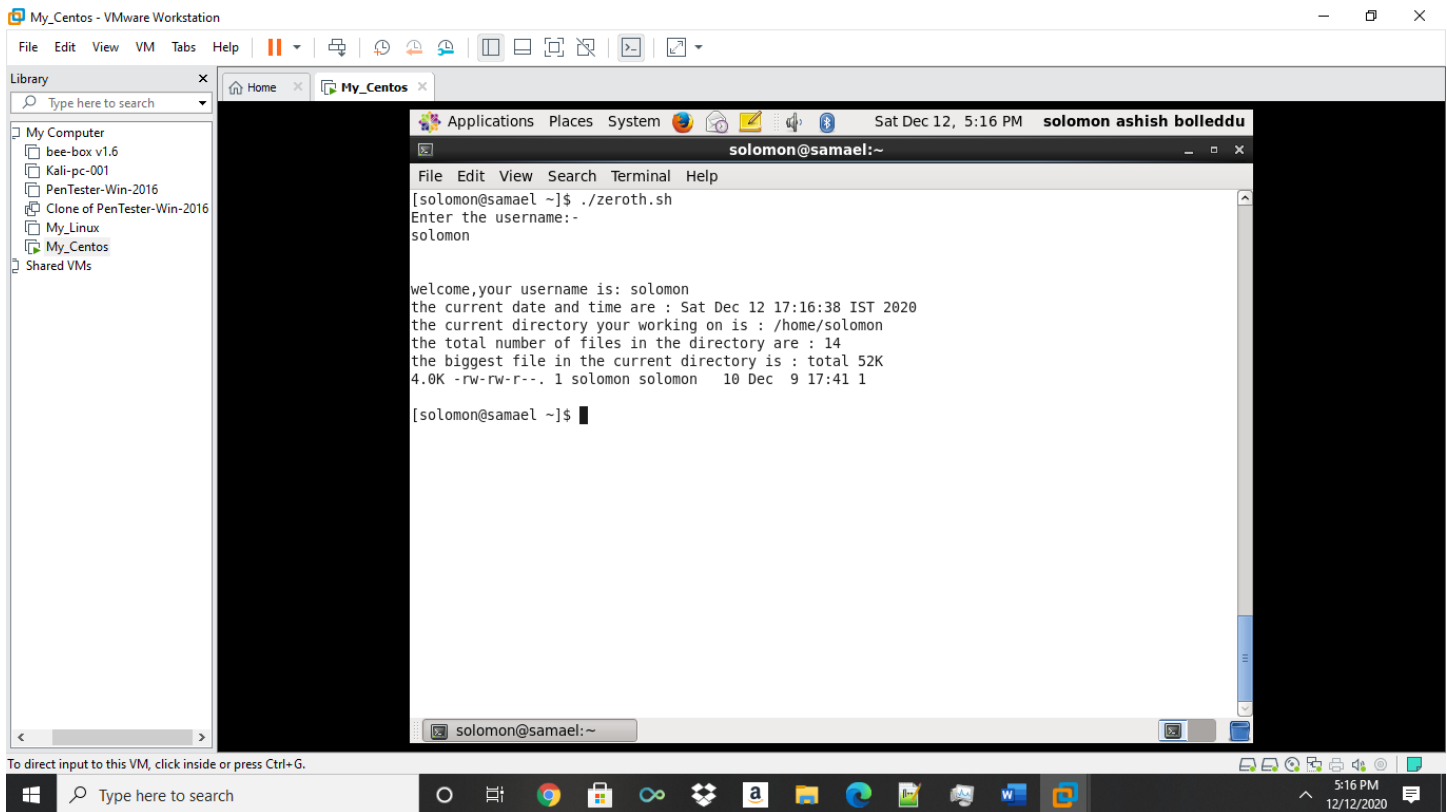# ASSIGNMENT DAY-8

Assignment 0:

1. Create a simple shell script to tell the user about their session – they need to know:

● What their username is

● What the current date is

● What the time is

● What their current working directory is

● How many files they have in that directory

● What is the biggest file in their current directory

To do this.. Create a file containing these commands and save it in .sh format

Then first compile it by using the command chmod +x zeroth.sh and then run it by the command ./zeroth.sh
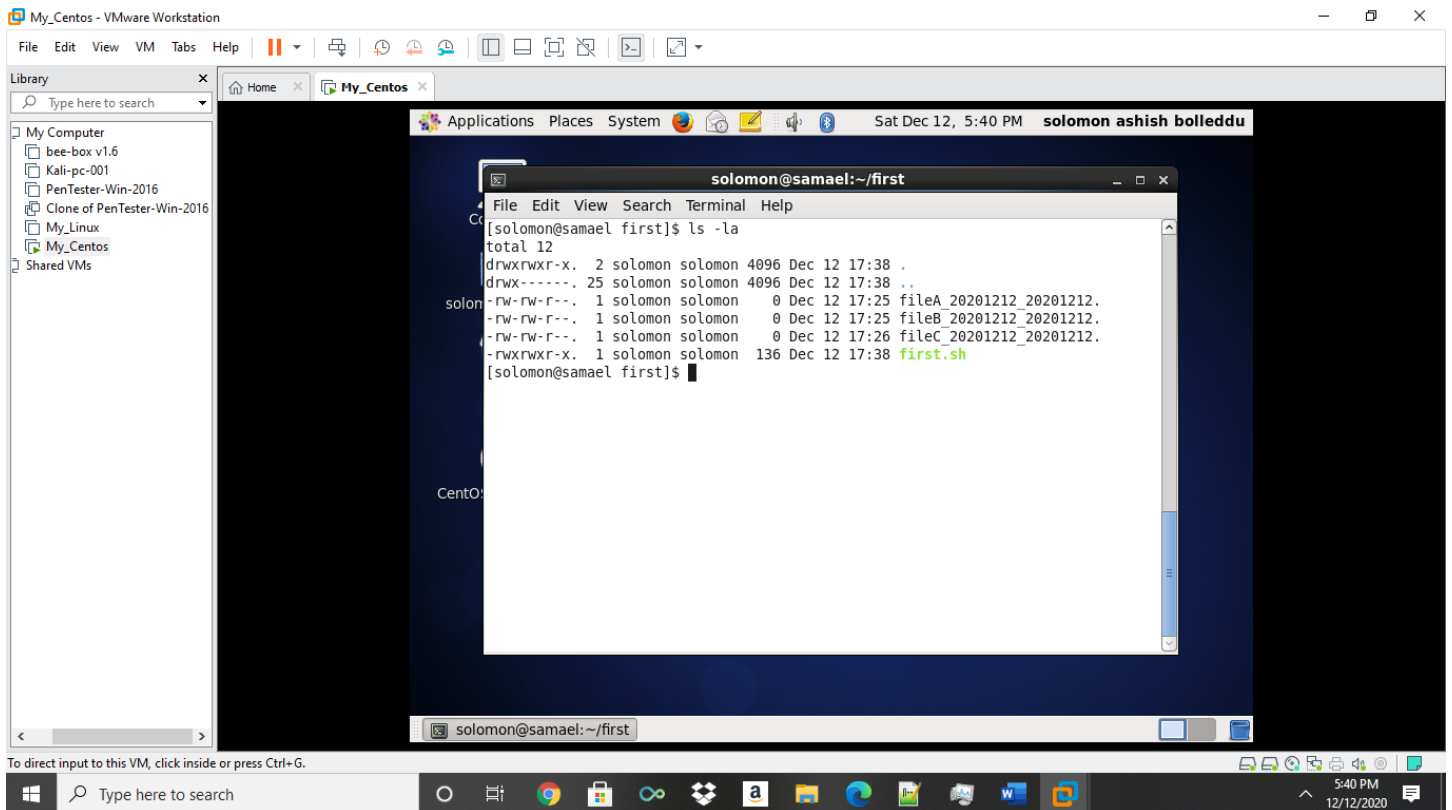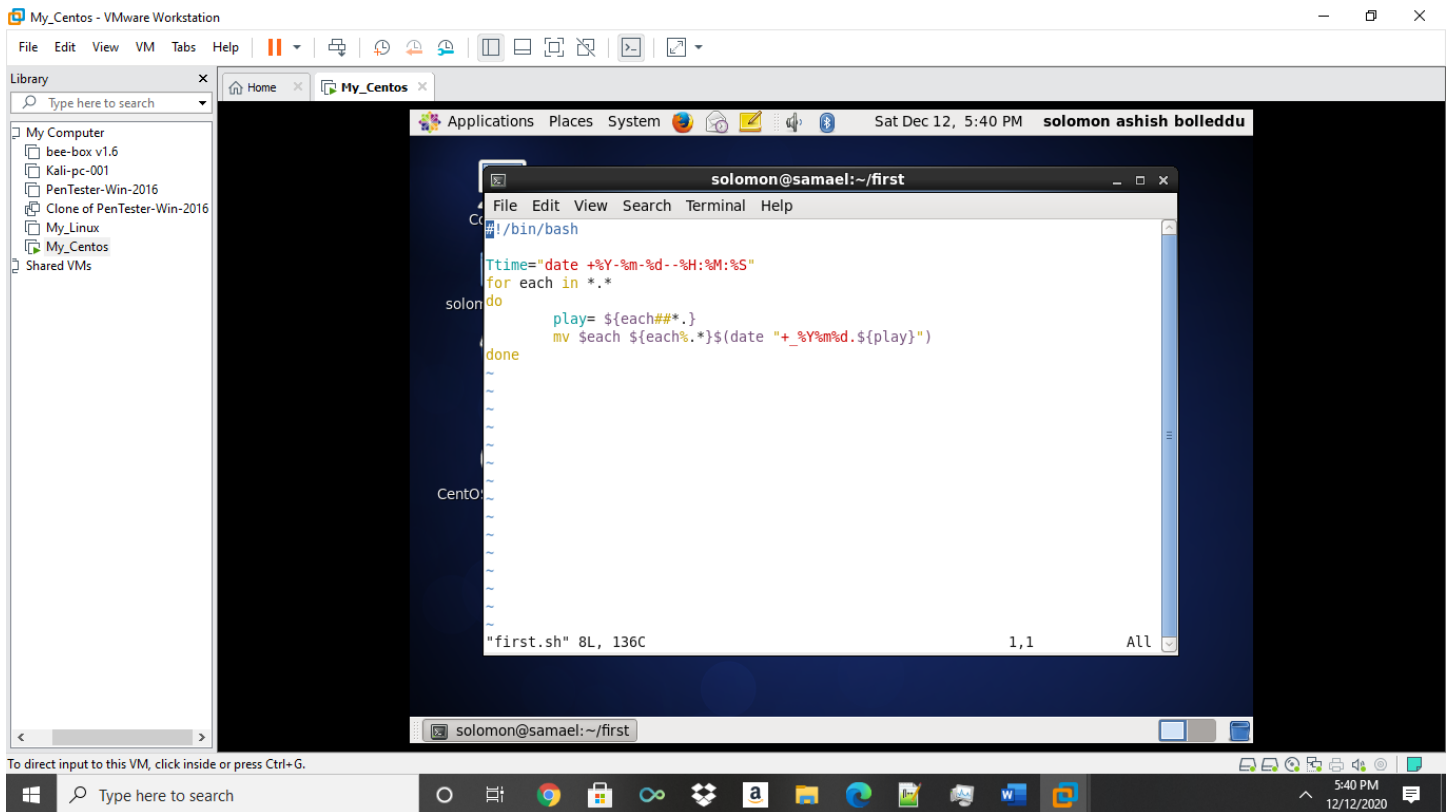
Assignment 1:

Create a directory with a few test files in it (the files can be empty). Now write a script that for

every file in that directory you rename it to have an extension of today's date in YYYYMMDD format.

First you need to make a directory then add files then go to the directory and run it

First screenshot - vi editor showing first.sh:

```
#!/bin/bash

Ttime="date +%Y-%m-%d--%H:%M:%S"
for each in *.*
do
        play= ${each##*.}
        mv $each ${each%.*}$(date "+_%Y%m%d.${play}")
done
```

"first.sh" 8L, 136C   1,1   All

Second screenshot - terminal output:

```
[solomon@samael first]$ ls -la
total 12
drwxrwxr-x.  2 solomon solomon 4096 Dec 12 17:38 .
drwx------. 25 solomon solomon 4096 Dec 12 17:38 ..
-rw-rw-r--.  1 solomon solomon    0 Dec 12 17:25 fileA_20201212_20201212.
-rw-rw-r--.  1 solomon solomon    0 Dec 12 17:25 fileB_20201212_20201212.
-rw-rw-r--.  1 solomon solomon    0 Dec 12 17:26 fileC_20201212_20201212.
-rwxrwxr-x.  1 solomon solomon  136 Dec 12 17:38 first.sh
[solomon@samael first]$
```

Assignment 2:

Write a script that takes a number as an input and reverses it out to the user. For example, if the

original number is 74985, the output should be 58947.

<mark>Enter these command and compile and run it</mark>
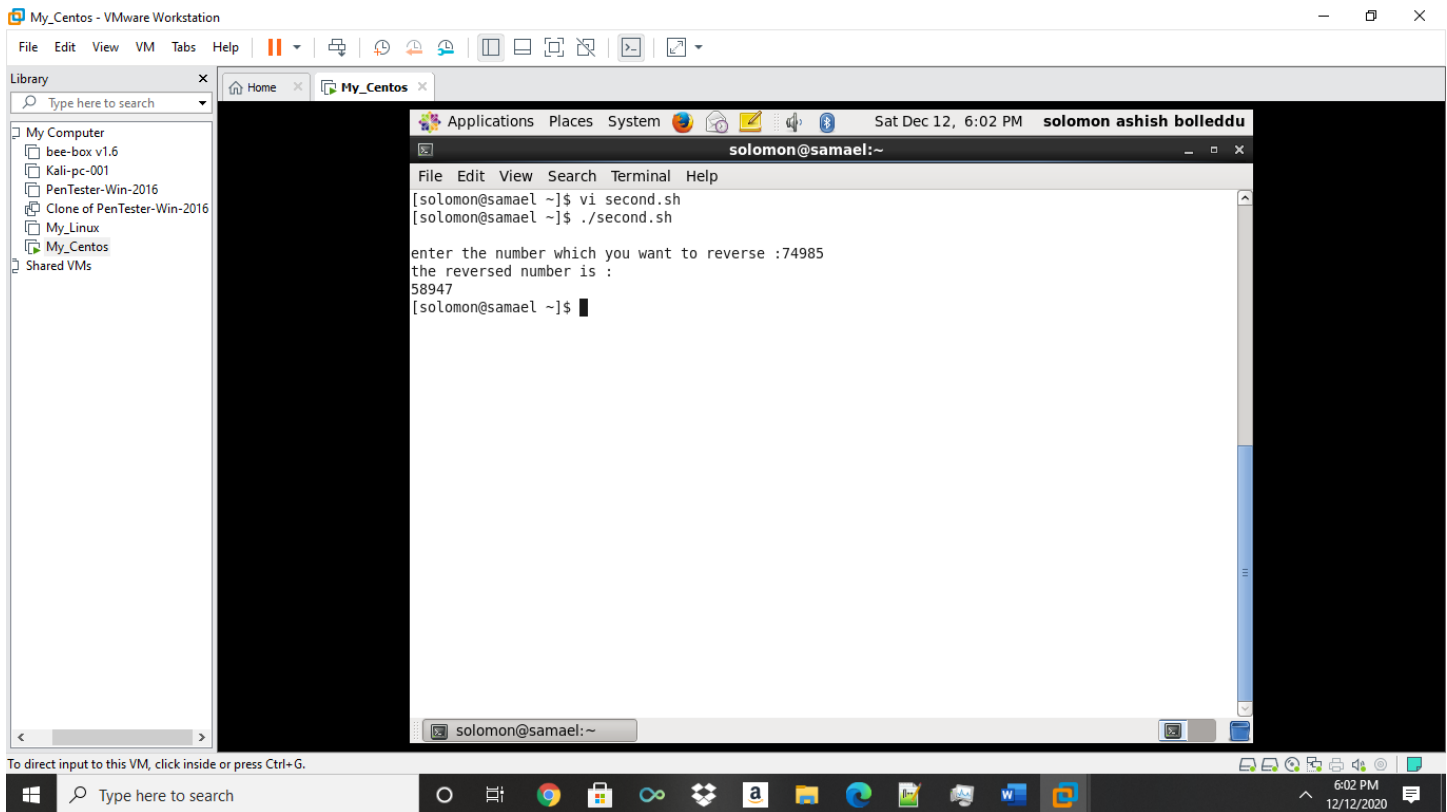
Assignment 3:

Write a script to validate how secure someone's password is. Things you would care about:

● Length should be 8 or more characters

● The password should contain numbers and letters

● There should be both uppercase and lowercase letters

Enter these commands then execute and then run it..

File Edit View Search Terminal Help

```bash
#!/bin/bash
echo " "
echo "enter the password"
echo " "
read password
lenght="${#password}"
if [ $lenght -ge 8 ]; then
echo "$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 "perfect a strong password..."
else
echo ""
echo "weak password!!!!!"
echo "password must contain numbers, uppercase, lowercaseand special characters"
fi
else
echo ""
echo "weak password!!!!!"
echo "password must contain numbers, uppercase, lowercaseand special characters"
fi
else
echo ""
echo "weak password!!!!!"
echo "password must contain numbers, uppercase, lowercaseand special characters"
fi
else
echo ""
echo "weak password!!!!!"
echo "password must contain numbers, uppercase, lowercaseand special characters"
fi
else
echo ""
echo "weak password!!!!! password length must be >=8"
fi
echo ""
~
~
~
~
~
~
~
~
~
```

1,1   All

File Edit View Search Terminal Help

```
[solomon@samael ~]$ touch third.sh
[solomon@samael ~]$ vi third.sh
[solomon@samael ~]$ chmod +x third.sh
[solomon@samael ~]$ ./third.sh

enter the password

12345678

weak password!!!!!
password must contain numbers, uppercase, lowercaseand special characters

[solomon@samael ~]$ ./third.sh

enter the password

12345678A

weak password!!!!!
password must contain numbers, uppercase, lowercaseand special characters

[solomon@samael ~]$ ./third.sh

enter the password

1234578Aa

weak password!!!!!
password must contain numbers, uppercase, lowercaseand special characters

[solomon@samael ~]$ ./third.sh

enter the password

12345678Aa@
perfect a strong password...

[solomon@samael ~]$ vi third.sh
[solomon@samael ~]$
```