**Assignment 4\_Solution**

1.Write a shell script to validate password strength. Here are a few assumptions for the password string.

Length – minimum of 8 characters.

Contain both alphabet and number.

Include both the small and capital case letters.

If the password doesn’t comply with any of the above conditions, then the script should report it as a <Weak Password>.

echo "enter the password"

read password

len="${#password}"

if test $len -ge 8 ; then

echo "$password" | grep -q [0-9]

if test $? -eq 0 ; then

echo "$password" | grep -q [A-Z]

if test $? -eq 0 ; then

echo "$password" | grep -q [a-z]

if test $? -eq 0 ; then

echo "Strong password"

else

echo "weak password include lower case char"

fi

else

echo "weak password include capital char"

fi

else

echo "please include the numbers in password it is weak password"

fi

else

echo "password lenght should be greater than or equal 8 hence weak password"

fi