**Command\_substituion.sh**

#!/bin/bash

today=`date` #old style with backticks

echo $today

today=$(date) #new style

echo $today

**Enumeration2.sh**

#!/bin/bash

IFS=:

linecount=0

while read -r f1 f2 f3 f4 f5 f6 f7

do

((linecount++))

# Print the desired fields in the desired way

echo Line $linecount: Username: $f1, Shell: $f7: Home Dir: $f6

done < /etc/passwd

**Enumeration3.sh**

#!/bin/bash

linecount=0

for var in $(cat $1)

do

linecount=$[$linecount + 1]

echo "$linecount value is $var"

done

**Exit\_status.sh**

#!/bin/bash

printf "%v\n" # fails

echo $? #contains 0 if successful, else failed

printf "%d\n" 123 # works

echo $?

**File\_test.sh**

#!/bin/bash

if [[ -s file2 ]]

then

echo "file2 exists"

else

echo "file2 doesn’t exist"

fi

# man test for test operators

**For\_example.sh**

#!/bin/bash

for var in {1..3}

do

printf "%d" "$var"

done

for var in {z..A}

do

echo -n $var

done

echo

**if\_example.sh**

#!/bin/bash

if (( 2 == 1 ))

then

echo "Yep"

else

echo "Nope"

fi

**one\_line\_if\_example.sh**

#!/bin/bash

if (( 2 != 1 )); then echo "Yep"; else echo "Nope"; fi

**Positional\_arguments.sh**

#!/bin/bash

printf "Hello, %s\n" "$1" #call program with a name, it repeats as $1

**while\_example.sh**

#!/bin/bash

n=1

while [ $n -le 3 ]

do

echo "$n"

n=$(( $n + 1 ))

done

**fruit.sh**

#!/bin/bash

fruit=({banana,orange,apple,grapes})

color=({"yellow","orange","red","purple"})

for x in $(seq 0 $((${#fruit[@]}-1))); do echo "Fruit: ${fruit[$x]} color is: ${color[$x]}"; done | column -t