(1)

#!/bin/bash

If [ -z “$1” ]; then

Echo “Usage: $0 <path>”

Exit 1

Mkdir -p “$1” && echo “Created directory: $1”

(2)

find\_max\_length() {

max\_length=0

while IFS= read rd file; do

length=$(wc-c < "$file")

if [ "$length" -gt "$max\_length" ]; then max\_length=$length

fi

done < <(find "$1" -type f -printe)

echo $max\_length

}

if [ -d "$1" ]; then

find\_max\_length "$1"

else

echo "Invalid directory: $1"

fi

(3)

#!/bin/bash

if [ -z "$1" ]; then

echo "Please enter a file name.

exit 1

fi

if [ ! -e "$1" ]; then

echo "File does not exist."

exit 1

fi

echo "File properties for $1:"

ls -1 "$1"

(4)

trap 2 20 24

echo -n "Enter password:

stty-echo

read password

stty echo

echo

echo "Confirm password:

stty-echo

read password\_confirm

stty echo

echo

if [ "$password" != "$password\_confirm" ]; then

echo "Passwords do not match."

exit 1

fi

while true; do

echo -n "Enter password to unlock:

stty-echo

read password\_attempt

stty echo

echo

if [ "$password\_attempt" == "$password" ]; then

echo "Terminal unlocked."

break

else

echo "Incorrect password."

(5)

#!/bin/bash

If [ $# -eq 0 ]; then

Echo “No login names provided.”

Exit 1

Fi

For login in “$@”; do

Home=$(getent passwd “$login” | cut -d: -f6)

If [ -n “$home” ]; then

Echo “$login: $home”

Else

Echo “Login name $login not found.”

Fi

Done

(6)

#!/bin/bash

If [ ! -f “$1” ] || [ ! -f “$2” ]; then

Echo “Both arguments must be valid files.”

Exit 1

Fi

Perm1=$(stat -c %A “$1”)

Perm2=$(stat -c %A “$2”)

If [ “$perm1” == “$perm2” ]; then

Echo “Common permissions: $perm1”

Else

Echo “$1: $perm1”

Echo “$2: $perm2”

Fi

(7)

#!/bin/bash

If [ -z “$1” ]; then

Echo “Usage: $0 <file> [starting\_directory]”

Exit 1

Fi

File=$1

Start\_dir=${2:-.}

Find “$start\_dir” -samefile “$file”

(8)

#!/bin/bash

If [ $# -eq 0 ]; then

Echo “No files provided.”

Exit 1

Fi

For file in “$@”; do

If [ -f “$file” ]; then

Tr ‘[:lower:]’ ‘[:upper:]’ < “$file” > temp && mv temp “$file”

Else

Echo “File $file does not exist.”

Fi

Done