#!/bin/bash

function show\_help() {

echo "Usage: internsctl [command] [options]"

echo "Commands:"

echo " cpu getinfo Get CPU information (similar to lscpu)"

echo " memory getinfo Get memory information (similar to free)"

echo " user create <username> Create a new user with login access"

echo " user list List all regular users"

echo " user list --sudo-only List users with sudo permissions"

echo " file getinfo <file-name> Get information about a file"

echo " file getinfo [options] <file-name>"

echo " Get specific information about a file"

echo "Options:"

echo " --size, -s Print size"

echo " --permissions, -p Print file permissions"

echo " --owner, -o Print file owner"

echo " --last-modified, -m Print last modified time"

}

function cpu\_getinfo() {

lscpu

}

function memory\_getinfo() {

free

}

function user\_create() {

username="$1"

sudo useradd -m "$username"

echo "User '$username' created successfully."

}

function user\_list() {

if [[ "$1" == "--sudo-only" ]]; then

getent passwd | cut -d: -f1,3,4 | awk -F: '$2 >= 1000 {print $1}' | xargs groups | grep -E "\bsudo\b" | cut -d: -f1

else

getent passwd | cut -d: -f1,3,4 | awk -F: '$2 >= 1000 {print $1}'

fi

}

function file\_getinfo() {

file="$1"

if [[ -z "$2" ]]; then

stat "$file" --printf="%n\tAccess: %A\tSize(B): %s\tOwner: %U:%G\nModify: %y\n"

else

case "$2" in

--size|-s)

stat "$file" --printf="%s\n"

;;

--permissions|-p)

stat "$file" --printf="%A\n"

;;

--owner|-o)

stat "$file" --printf="%U\n"

;;

--last-modified|-m)

stat "$file" --printf="%y\n"

;;

\*)

echo "Error: Unknown option. Use 'internsctl file getinfo --help' for usage information."

exit 1

;;

esac

fi

}

# Main script logic

case "$1" in

cpu)

cpu\_getinfo

;;

memory)

memory\_getinfo

;;

user)

case "$2" in

create)

user\_create "$3"

;;

list)

user\_list "$3"

;;

\*)

echo "Error: Unknown option. Use 'internsctl user --help' for usage information."

exit 1

;;

esac

;;

file)

file\_getinfo "$2" "$3"

;;

--help)

show\_help

;;

\*)

echo "Error: Unknown command. Use 'internsctl --help' for usage information."

exit 1

;;

esac