Answers

**Section A**

1. cd /usr /bin

nano internsct

cp internsctl internsctl.1

gzip internsctl.1.gz /usr/share/man/man1

man internsctl

File (intersctl) content: -

NAME

Internc –a custom command to report some utilities SYNOPSIS

ls [OPTION]... [FILE] DESCRIPTION

lists the information about the file and the system

-s, -size It gives the size of file.

-p, permissions It gives the permissions of file.

o, owner gives the owner of the file.

n. --last-modified gives the last modified date and time of the file

file

1. nano ‘internsctl --version’

chmod +x internsctl

internsctl --version

File (internsctl --version) content: - echo “v0.1.0”

1. nano ‘internsctl –help’

chmod +x internsctl

internsctl --help

File (internsctl --help) content: - help

**Section B**

**Part 1🡪**

**Internsctl memory getinfo :**

nano ‘internsctl memory getinfo’

chmod +x internsctl\ memory\ getinfo

./internsctl\ memory\ getinfo

File (internsctl memory getinfo) content: - free

**Internsctl cpu getinfo :**

nano ‘internsctl cpu getinfo’

chmod +x internsctl\ cpu\ getinfo

internsctl\ cpu\ getinfo

File (internsctl cpu getinfo) content: - lscpu

**Part 2🡪**

**Internsctl user create :**

nano ‘internsctl user create’

chmod +x internsctl\ user\ create

./internsctl\ user\ create

File (internsctl user create) content: -

#!/bin/bash

if id "$1" &>/dev/null;

then

echo "User $1 already exists."

echo "please chose another username."

exit

else

read -p "password"pswd

useradd -p "Spswd" -d /home/"$1" -m-g users -s /bin/bash "$1"

echo "SI added"

fi

**Internsctl user list :**

nano ‘internsctl user list

chmod +x internsctl\ user\ list

./internsctl\ user\ list

File (internsctl user list) content: -

#!/bin/bash

cat /etc/passwd

**Internsctl user list :**

nano ‘internsctl user list –sudo-only’

chmod +x internsctl\ user\ list\ --sudo-only

./internsctl\ user\ list –sudo-only

File (internsctl user list --sudo-only) content: -

#!/bin/bash

getent group sudo

**Part 3🡪**

**Internsctl file getinfo <file\_name> and inetrnsctl file getinfo [options] <file-name> :**

nano ‘internsctl file getinfo’

chmod +x internsctl\ file\ getinfo

./internsctl\ file\ getinfo hello.txt

./internsctl\ file\ getinfo --size hello.txt

./internsctl\ file\ getinfo --permissions hello.txt

./internsctl\ file\ getinfo --owner hello.txt

./internsctl\ file\ getinfo --last-modified hello.txt

File (internsctl user create) content: -

#!/bin/bash

if [[ "$#" -eq 1 ]];

then Is -1 $1

elif [[ "$#" -eq 2 ]];

then

if [ "$1"-"-s"] || [ "$1" -"size"]

then

wc -c $2

elif [ "$1"-"-p" ] || [ "$1"-"--permissions" ]

then

Is-1d $2 |awk '{ print $1;}'

elif [ "$1" "o"] || [ "$1"-"--owner" ]

then

stat -e "%U' $2

elif [ "SI"-"m"] || [ "$1" = "--last-modified"]

then

stat-c %y' $2

fi

fi