

Command line Questions of linux

1. Write a shell program to generate a new file with all information of the files in the current directory

Solution

Create a shell file : `vi file1.sh`

Write this command inside it : `ls > file1.txt`

Run the file

2. Write a shell program to create a directory, files with commands like `mkdir`, `cat`, `touch`.

Solution

Create a shell file : `vi file2.sh`

Write this command inside it :

`touch file4.txt`

`mkdir practice7`

`cat > file5.txt`

Run the file

3. Write a shell program to create text file with same name with 1, 2, 3.. . For example : `file1`, `file2`, `file3` ..

Solution

Create a shell file : `vi file3.sh`

Write this command inside it :

`touch g1.txt g2.txt g3.txt`

Run the file

4. Write a shell program to check whether two files contain same content. If the two files contain same content delete one file.

Solution

Create a shell file : vi file3.sh

Write this command inside it :

```
a=`cat g1.txt`  
b=`cat g2.txt`  
if [ $a == $b ]  
then  
echo "same data found"  
`rm g2.txt`  
echo "g2 file deleted "  
else  
echo " data not same"  
fi
```

Run the file

5. Write a shell program to change the permission of the shell file.

Solution

Create a shell file : vi file3.sh

Write this command inside it :

```
chmod 700 g1.txt
```

Run the file

6. Write a shell program to list directories in the current directory.

Solution

Create a shell file : vi file3.sh

Write this command inside it :

```
ls -d */
```

Run the file

7. Write a shell program to print menu

i. Display date and time

ii. Display present working directory

iii. List of files

- iv. Who is logged
- in v. Close the shell
- vi. Display process status

Solution

```
select option in display_date_and_time
display_present_working_directory list_of_files who_is_logged
close_the_shell display_process_status none
do
    case $option in
        display_date_and_time)
            date
            ;;
        display_present_working_directory)
            pwd
            ;;
        list_of_files)
            ls
            ;;
        who_is_logged)
            whoami
            ;;
        close_the_shell)
            echo ctrl + D
            ;;
        display_process_status)
            ps
            ;;
        none)
            break
            ;;
        *) echo "ERROR: Invalid selection"
```

```
;;  
esac  
done
```