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P ROFESSIONAL
U NIVERSITY

School of computer application

CA fourth
of
Linux and Shell Scripting- LAB (CAP-454)

Session 2022-2024

Submitted to:

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Question number - 7

A. List Files and sort by file size.

```
alright@alright:~/Downloads$ ls -lhS
total 7.5G
-rw-rw-r-- 1 alright alright 4.1G Dec 16 23:54 'Avatar The Way of Water (2022) Hindi Dubbed 1080p HDCAMRip [Moviesflixer [Google it]].mkv'
-rw-rw-r-- 1 alright alright 3.5G Dec 12 22:44 Maharani.S02.720p.WEB-DL-HDHub4u.Tv.zip
-rw-rw-r-- 1 alright alright 1.7M Dec 12 22:32 'CA3 cap 447.docx'
-rw-rw-r-- 1 alright alright 634K Dec 19 13:11 space-kosmos-planeta-oskolki-zvezdi-vselennaya-galaktika-58682.jpeg
-rw-rw-r-- 1 alright alright 286K Dec 11 23:33 'ResearchPaper Linux.pdf'
-rw-rw-r-- 1 alright alright 233K Dec 19 13:25 wallpaperflare.com_wallpaper.jpg
-rw-rw-r-- 1 alright alright 23K Dec 14 00:24 93440963.jpeg
-rw-rw-r-- 1 alright alright 4.6K Dec 12 12:41 archive.zip
drwxrwxr-x 2 alright alright 4.0K Nov 11 23:19 1080p
drwxrwxr-x 2 alright alright 4.0K Nov 11 23:19 '1080p (1)'
drwxrwxr-x 2 alright alright 4.0K Dec 12 12:41 archive
drwxrwxr-x 3 alright alright 4.0K Dec 18 00:12 Lookism.S01.1080p.x264.Hindi.English.Korean.Msubs.MoviesMod.Com
drwxrwxr-x 2 alright alright 4.0K Dec 18 22:11 Maharani.S02.720p.WEB-DL-HDHub4u.Tv
drwxrwxr-x 2 alright alright 4.0K Dec 18 19:37 'Naruto next gen'
drwxrwxr-x 9 alright alright 4.0K Dec 18 20:46 Syllabus-Doc-14-main
alright@alright:~/Downloads$
```

B. List files and sort by date and time.

```
alright@alright:~/Downloads$ ls -t
wallpaperflare.com_wallpaper.jpg Maharani.S02.720p.WEB-DL-HDHub4u.Tv.zip
space-kosmos-planeta-oskolki-zvezdi-vselennaya-galaktika-58682.jpeg 'CA3 cap 447.docx'
Maharani.S02.720p.WEB-DL-HDHub4u.Tv archive
Syllabus-Doc-14-main archive.zip
'Naruto next gen' 'ResearchPaper Linux.pdf'
Lookism.S01.1080p.x264.Hindi.English.Korean.Msubs.MoviesMod.Com 1080p
'Avatar The Way of Water (2022) Hindi Dubbed 1080p HDCAMRip [Moviesflixer [Google it]].mkv' '1080p (1)'
93440963.jpeg
alright@alright:~/Downloads$
```

C. List files and sort by date and time in reverse order

```
alright@alright:~/Downloads$ ls -ltr
total 7854852
drwxrwxr-x 2 alright alright 4096 Nov 11 23:19 '1080p (1)'
drwxrwxr-x 2 alright alright 4096 Nov 11 23:19 1080p
-rw-rw-r-- 1 alright alright 292728 Dec 11 23:33 'ResearchPaper Linux.pdf'
-rw-rw-r-- 1 alright alright 4703 Dec 12 12:41 archive.zip
drwxrwxr-x 2 alright alright 4096 Dec 12 12:41 archive
-rw-rw-r-- 1 alright alright 1721606 Dec 12 22:32 'CA3 cap 447.docx'
-rw-rw-r-- 1 alright alright 3656269130 Dec 12 22:44 Maharani.S02.720p.WEB-DL-HDHub4u.Tv.zip
-rw-rw-r-- 1 alright alright 23018 Dec 14 00:24 93440963.jpeg
-rw-rw-r-- 1 alright alright 4384113650 Dec 16 23:54 'Avatar The Way of Water (2022) Hindi Dubbed 1080p HDCAMRip [Moviesflixer [Google it]].mkv'
drwxrwxr-x 3 alright alright 4096 Dec 18 00:12 Lookism.S01.1080p.x264.Hindi.English.Korean.Msubs.MoviesMod.Com
drwxrwxr-x 2 alright alright 4096 Dec 18 19:37 'Naruto next gen'
drwxrwxr-x 9 alright alright 4096 Dec 18 20:46 Syllabus-Doc-14-main
drwxrwxr-x 2 alright alright 4096 Dec 18 22:11 Maharani.S02.720p.WEB-DL-HDHub4u.Tv
-rw-rw-r-- 1 alright alright 649005 Dec 19 13:11 space-kosmos-planeta-oskolki-zvezdi-vselennaya-galaktika-58682.jpeg
-rw-rw-r-- 1 alright alright 237640 Dec 19 13:25 wallpaperflare.com_wallpaper.jpg
alright@alright:~/Downloads$
```

D. List files in long format

```
alright@alright:~/Downloads$ ls -l
total 7854852
drwxrwxr-x 2 alright alright      4096 Nov 11 23:19 1080p
drwxrwxr-x 2 alright alright      4096 Nov 11 23:19 '1080p (1)'
-rw-rw-r-- 1 alright alright    23018 Dec 14 00:24 93440963.jpeg
drwxrwxr-x 2 alright alright      4096 Dec 12 12:41 archive
-rw-rw-r-- 1 alright alright      4703 Dec 12 12:41 archive.zip
-rw-rw-r-- 1 alright alright 4384113650 Dec 16 23:54 'Avatar The Way of Water (2022) Hindi Dubbed 1080p HDCAMrip [Moviesflixer [Google it]].mkv'
-rw-rw-r-- 1 alright alright    1721606 Dec 12 22:32 'CA3 cap 447.docx'
drwxrwxr-x 3 alright alright      4096 Dec 18 00:12 Lookism.S01.1080p.x264.Hindi.English.Korean.Msubs.MoviesMod.Com
drwxrwxr-x 2 alright alright      4096 Dec 18 22:11 Maharani.S02.720p.WEB-DL-HDHub4u.Tv
-rw-rw-r-- 1 alright alright 3656269130 Dec 12 22:44 Maharani.S02.720p.WEB-DL-HDHub4u.Tv.zip
drwxrwxr-x 2 alright alright      4096 Dec 18 19:37 'Naruto next gen'
-rw-rw-r-- 1 alright alright    292728 Dec 11 23:33 'ResearchPaper Linux.pdf'
-rw-rw-r-- 1 alright alright    649005 Dec 19 13:11 space-kosmos-planeta-oskolki-zvezdi-vselennaya-galaktika-58682.jpeg
drwxrwxr-x 9 alright alright      4096 Dec 18 20:46 Syllabus-Doc-14-main
-rw-rw-r-- 1 alright alright    237640 Dec 19 13:25 wallpaperflare.com_wallpaper.jpg
alright@alright:~/Downloads$
```

E. List files index number

```
alright@alright:~/Downloads$ ls -li
5398529 1080p
5398530 '1080p (1)'
5381288 93440963.jpeg
6955670 archive
5381406 archive.zip
5381574 'Avatar The Way of Water (2022) Hindi Dubbed 1080p HDCAMrip [Moviesflixer [Google it]].mkv'
5381369 'CA3 cap 447.docx'
5395327 Lookism.S01.1080p.x264.Hindi.English.Korean.Msubs.MoviesMod.Com
5511862 Maharani.S02.720p.WEB-DL-HDHub4u.Tv
5381367 Maharani.S02.720p.WEB-DL-HDHub4u.Tv.zip
5395393 'Naruto next gen'
5381040 'ResearchPaper Linux.pdf'
2621585 space-kosmos-planeta-oskolki-zvezdi-vselennaya-galaktika-58682.jpeg
5397738 Syllabus-Doc-14-main
5394551 wallpaperflare.com_wallpaper.jpg
alright@alright:~/Downloads$
```

F. List files with their size

```
alright@alright:~/Downloads$ ls -lh
total 7.5G
drwxrwxr-x 2 alright alright 4.0K Nov 11 23:19 1080p
drwxrwxr-x 2 alright alright 4.0K Nov 11 23:19 '1080p (1)\'
-rw-rw-r-- 1 alright alright 23K Dec 14 00:24 93440963.jpeg
drwxrwxr-x 2 alright alright 4.0K Dec 12 12:41 archive
-rw-rw-r-- 1 alright alright 4.6K Dec 12 12:41 archive.zip
-rw-rw-r-- 1 alright alright 4.1G Dec 16 23:54 'Avatar The Way of Water (2022) Hindi Dubbed 1080p HDCAMRip [Moviesflixer [Google it]].mkv'
-rw-rw-r-- 1 alright alright 1.7M Dec 12 22:32 'CA3 cap 447.docx'
drwxrwxr-x 3 alright alright 4.0K Dec 18 00:12 Lookism.S01.1080p.x264.Hindi.English.Korean.Msubs.MoviesMod.Com
drwxrwxr-x 2 alright alright 4.0K Dec 18 22:11 Maharani.S02.720p.WEB-DL-HDHub4u.Tv
-rw-rw-r-- 1 alright alright 3.5G Dec 12 22:44 Maharani.S02.720p.WEB-DL-HDHub4u.Tv.zip
drwxrwxr-x 2 alright alright 4.0K Dec 18 19:37 'Naruto next gen'
-rw-rw-r-- 1 alright alright 286K Dec 11 23:33 'ResearchPaper Linux.pdf'
-rw-rw-r-- 1 alright alright 634K Dec 19 13:11 space-kosmos-planeta-oskolki-zvezdi-vselenaya-galaktika-58682.jpeg
drwxrwxr-x 9 alright alright 4.0K Dec 18 20:46 Syllabus-Doc-14-main
-rw-rw-r-- 1 alright alright 233K Dec 19 13:25 wallpaperflare.com_wallpaper.jpg
alright@alright:~/Downloads$
```

G. List only directories.

```
alright@alright:~/Downloads$ ls -d */
1080p/      Lookism.S01.1080p.x264.Hindi.English.Korean.Msubs.MoviesMod.Com/  Syllabus-Doc-14-main/
'1080p (1)'/  Maharani.S02.720p.WEB-DL-HDHub4u.Tv/
archive/     'Naruto next gen/'
alright@alright:~/Downloads$
```

H. List all files start with letter a

```
alright@alright:~/Downloads$ ls -f a*
al.txt  aa.txt  archive.zip

archive:
total-phone-devices-by-company-2021.csv  mobile-phone-brands-by-country.csv
'Best Selling Mobile Phones 2020.csv'    best-selling-mobile-phones.csv
..
alright@alright:~/Downloads$
```