**Name : Keyur Patel**

**Roll No : 16010421073**

**Batch : A3**

**Exp-no : 4**

**Commands and Results:**

**1. Write command which produces a list of all the files on the system, such that:**

* ** their full pathname does not contain the word data**
* ** their filename does not contain the letter x**
* **the script is Y2K compliant, so all `y's have been replaced by `k's.**

**At the end, print out the number of files that were found.**

**Command :**

keyur@Ubuntu:~$ touch data.txt

keyur@Ubuntu:~$ touch data.c

keyur@Ubuntu:~$ touch abxx.txt

keyur@Ubuntu:~$ touch yyy.c

keyur@Ubuntu:~$ ls

abxx.txt data.txt Documents Music pipe.txt snap Videos

data.c Desktop Downloads Pictures Public Templates yyy.c

keyur@Ubuntu:~$ ls -I '\*x\*' -lrt | grep -v data | tr y k

total 36

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Videos

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Templates

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Public

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Pictures

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Music

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Documents

drwx------ 5 kekur kekur 4096 Aug 10 17:55 snap

drwxr-xr-x 2 kekur kekur 4096 Aug 21 23:09 Downloads

drwxr-xr-x 3 kekur kekur 4096 Aug 21 23:10 Desktop

-rw-rw-r-- 1 kekur kekur 0 Sep 27 02:19 kkk.c

**Output:**

total 36

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Videos

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Templates

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Public

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Pictures

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Music

drwxr-xr-x 2 kekur kekur 4096 Aug 3 21:23 Documents

drwx------ 5 kekur kekur 4096 Aug 10 17:55 snap

drwxr-xr-x 2 kekur kekur 4096 Aug 21 23:09 Downloads

drwxr-xr-x 3 kekur kekur 4096 Aug 21 23:10 Desktop

-rw-rw-r-- 1 kekur kekur 0 Sep 27 02:19 kkk.c

**2. Write commands that will list the size of each directory given on the command**

**line, sorted by size. The size includes disk space used by the directory and all**

**thefiles and subdirectories inside it. T he script should take options to sort with**

**smallest first, and with largest first.**

**Command :(Smallest first)**

keyur@Ubuntu:~$ ls | du | sort

**Output:**

100620 ./snap/firefox/common

100708 ./snap/firefox

100984 ./snap

100 ./.local/share/evolution/addressbook

108 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/datareporting/archived/2023-09

108 ./snap/snapd-desktop-integration/common/.cache

11284 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/permanent/chrome/idb

11292 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/permanent/chrome

11296 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/permanent

112 ./snap/snapd-desktop-integration/common

11472 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage

1172 ./.cache/mesa\_shader\_cache

11772 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/startupCache

124 ./Desktop/kp\_73

12608 ./.cache/tracker3/files

12612 ./.cache/tracker3

128 ./.config/libreoffice/4/user/database/biblio

12 ./.cache/mesa\_shader\_cache/07

12 ./.cache/mesa\_shader\_cache/11

12 ./.cache/mesa\_shader\_cache/14

12 ./.cache/mesa\_shader\_cache/21

12 ./.cache/mesa\_shader\_cache/2a

12 ./.cache/mesa\_shader\_cache/2c

12 ./.cache/mesa\_shader\_cache/42

12 ./.cache/mesa\_shader\_cache/45

12 ./.cache/mesa\_shader\_cache/58

12 ./.cache/mesa\_shader\_cache/5a

12 ./.cache/mesa\_shader\_cache/60

12 ./.cache/mesa\_shader\_cache/73

12 ./.cache/mesa\_shader\_cache/7c

12 ./.cache/mesa\_shader\_cache/87

12 ./.cache/mesa\_shader\_cache/ad

12 ./.cache/mesa\_shader\_cache/b1

12 ./.cache/mesa\_shader\_cache/b8

12 ./.cache/mesa\_shader\_cache/ba

12 ./.cache/mesa\_shader\_cache/cb

12 ./.cache/mesa\_shader\_cache/ce

12 ./.cache/mesa\_shader\_cache/fd

12 ./.cache/update-manager-core

12 ./.config/dconf

12 ./.config/ibus/bus

12 ./.config/libreoffice/4/user/gallery

12 ./.gnupg

12 ./.local/share/gnome-shell

12 ./.local/share/keyrings

12 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/settings/main/ms-language-packs/browser/newtab

12 ./snap/firefox/common/.mozilla/firefox/Crash Reports

12 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/crashes

12 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/datareporting/glean/events

12 ./snap/snap-store

1308 ./.config/libreoffice/4/user

1316 ./.config/libreoffice/4

1320 ./.config/libreoffice

1360 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/gmp-gmpopenh264/1.8.1.2

1364 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/gmp-gmpopenh264

136 ./.config/libreoffice/4/user/database

136 ./Desktop

1376 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/personality-provider

14516 ./.cache

1520 ./.config

152 ./.config/libreoffice/4/user/extensions

152 ./.local/share/evolution

15420 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/safebrowsing/google4

16 ./.cache/fontconfig

16 ./.cache/mesa\_shader\_cache/0f

16 ./.cache/mesa\_shader\_cache/33

16 ./.cache/mesa\_shader\_cache/65

16 ./.cache/mesa\_shader\_cache/b7

16 ./.cache/mesa\_shader\_cache/f6

16 ./.config/ibus

16 ./.config/libreoffice/4/user/basic/Standard

16 ./.config/libreoffice/4/user/pack/basic/Standard

16 ./.config/libreoffice/4/user/pack/database

16 ./.local/share/evolution/calendar

16 ./.local/share/evolution/tasks

16 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/settings/main/ms-language-packs/browser

16 ./snap/snapd-desktop-integration/49/.local/share

16 ./snap/snapd-desktop-integration/83/.local/share

17440 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/safebrowsing

180 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/datareporting/archived/2023-08

185876 ./Downloads

192 ./.cache/ibus/bus

196 ./.cache/ibus

20 ./.cache/mesa\_shader\_cache/03

20 ./.cache/mesa\_shader\_cache/8e

20 ./.config/evolution/sources

20 ./snap/firefox/2356/.local/share

20 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/settings/main/ms-language-packs

20 ./snap/snapd-desktop-integration/49/.local

20 ./snap/snapd-desktop-integration/83/.local

24 ./.config/evolution

24 ./.local/share/Trash

24 ./snap/firefox/2356/.local

24 ./snap/firefox/common/.cache/gio-modules

24 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/sessionstore-backups

24 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/default/https+++www.google.com/ls

24 ./snap/snapd-desktop-integration/common/.cache/gio-modules

260 ./snap/snapd-desktop-integration

2836 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/security\_state

28 ./.cache/thumbnails/large

28 ./.config/libreoffice/4/user/basic

28 ./.config/libreoffice/4/user/config/soffice.cfg/modules/swriter

28 ./.config/libreoffice/4/user/pack/basic

292 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/datareporting/archived

30184 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default

30208 ./snap/firefox/common/.mozilla/firefox

30216 ./snap/firefox/common/.mozilla

303764 .

324 ./.local/share/nautilus/tags

32 ./.cache/thumbnails

32 ./.config/libreoffice/4/user/backup

32 ./.config/libreoffice/4/user/config/soffice.cfg/modules

32 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/settings/main

32 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/saved-telemetry-pings

32 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/default/https+++www.google.com

332 ./.local/share/nautilus

36 ./.config/libreoffice/4/user/config/soffice.cfg

36 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/settings

36 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/datareporting/glean/db

36 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/default

392 ./.cache/gstreamer-1.0

39400 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/cache2/entries

39488 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/cache2

40 ./.config/libreoffice/4/user/extensions/bundled/registry

40 ./.config/libreoffice/4/user/extensions/shared/registry

40 ./.config/libreoffice/4/user/extensions/tmp/registry

40 ./.config/libreoffice/4/user/uno\_packages/cache/registry

40 ./snap/firefox/common/.cache/fontconfig

44 ./snap/snapd-desktop-integration/49/.config

44 ./snap/snapd-desktop-integration/83/.config

484 ./.config/libreoffice/4/user/pack

48 ./.config/libreoffice/4/user/extensions/bundled

48 ./.config/libreoffice/4/user/extensions/shared

48 ./.config/libreoffice/4/user/extensions/tmp

48 ./.config/libreoffice/4/user/uno\_packages/cache

4 ./.cache/evolution/addressbook/trash

4 ./.cache/evolution/calendar/trash

4 ./.cache/evolution/mail/trash

4 ./.cache/evolution/memos/trash

4 ./.cache/evolution/sources/trash

4 ./.cache/evolution/tasks/trash

4 ./.cache/gnome-desktop-thumbnailer/gstreamer-1.0

4 ./.cache/ibus-table

4 ./.cache/tracker3/files/errors

4 ./.config/enchant

4 ./.config/gnome-session/saved-session

4 ./.config/goa-1.0

4 ./.config/gtk-4.0

4 ./.config/libreoffice/4/user/autocorr

4 ./.config/libreoffice/4/user/config/soffice.cfg/modules/swriter/images/Bitmaps

4 ./.config/libreoffice/4/user/config/soffice.cfg/modules/swriter/menubar

4 ./.config/libreoffice/4/user/config/soffice.cfg/modules/swriter/popupmenu

4 ./.config/libreoffice/4/user/config/soffice.cfg/modules/swriter/statusbar

4 ./.config/libreoffice/4/user/config/soffice.cfg/modules/swriter/toolbar

4 ./.config/libreoffice/4/user/extensions/bundled/registry/com.sun.star.comp.deployment.bundle.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/bundled/registry/com.sun.star.comp.deployment.component.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/bundled/registry/com.sun.star.comp.deployment.executable.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/bundled/registry/com.sun.star.comp.deployment.script.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/bundled/registry/com.sun.star.comp.deployment.sfwk.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/shared/registry/com.sun.star.comp.deployment.bundle.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/shared/registry/com.sun.star.comp.deployment.component.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/shared/registry/com.sun.star.comp.deployment.executable.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/shared/registry/com.sun.star.comp.deployment.script.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/shared/registry/com.sun.star.comp.deployment.sfwk.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/tmp/extensions

4 ./.config/libreoffice/4/user/extensions/tmp/registry/com.sun.star.comp.deployment.bundle.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/tmp/registry/com.sun.star.comp.deployment.component.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/tmp/registry/com.sun.star.comp.deployment.executable.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/tmp/registry/com.sun.star.comp.deployment.script.PackageRegistryBackend

4 ./.config/libreoffice/4/user/extensions/tmp/registry/com.sun.star.comp.deployment.sfwk.PackageRegistryBackend

4 ./.config/libreoffice/4/user/psprint

4 ./.config/libreoffice/4/user/uno\_packages/cache/registry/com.sun.star.comp.deployment.bundle.PackageRegistryBackend

4 ./.config/libreoffice/4/user/uno\_packages/cache/registry/com.sun.star.comp.deployment.component.PackageRegistryBackend

4 ./.config/libreoffice/4/user/uno\_packages/cache/registry/com.sun.star.comp.deployment.executable.PackageRegistryBackend

4 ./.config/libreoffice/4/user/uno\_packages/cache/registry/com.sun.star.comp.deployment.script.PackageRegistryBackend

4 ./.config/libreoffice/4/user/uno\_packages/cache/registry/com.sun.star.comp.deployment.sfwk.PackageRegistryBackend

4 ./.config/libreoffice/4/user/uno\_packages/cache/uno\_packages

4 ./.config/nautilus

4 ./.config/procps

4 ./.config/update-notifier

4 ./Documents

4 ./.local/share/applications

4 ./.local/share/evolution/addressbook/system/photos

4 ./.local/share/evolution/addressbook/trash

4 ./.local/share/evolution/calendar/trash

4 ./.local/share/evolution/mail/trash

4 ./.local/share/evolution/memos/trash

4 ./.local/share/evolution/tasks/trash

4 ./.local/share/flatpak/db

4 ./.local/share/gnome-mines/scores

4 ./.local/share/gnome-settings-daemon

4 ./.local/share/ibus-table

4 ./.local/share/icc

4 ./.local/share/nautilus/scripts

4 ./.local/share/sounds

4 ./.local/share/Trash/expunged

4 ./.local/share/Trash/files/os\_73

4 ./Music

4 ./Pictures

4 ./Public

4 ./snap/firefox/2356/.config/dconf

4 ./snap/firefox/2356/.config/gtk-2.0

4 ./snap/firefox/2356/.config/gtk-3.0

4 ./snap/firefox/2356/.config/ibus

4 ./snap/firefox/2356/.local/share/glib-2.0/schemas

4 ./snap/firefox/2356/.local/share/icons

4 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/cache2/doomed

4 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/thumbnails

4 ./snap/firefox/common/.mozilla/extensions

4 ./snap/firefox/common/.mozilla/firefox/Crash Reports/events

4 ./snap/firefox/common/.mozilla/firefox/Pending Pings

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/crashes/events

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/datareporting/glean/pending\_pings

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/datareporting/glean/tmp

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/minidumps

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/permanent/chrome/idb/1451318868ntouromlalnodry--epcr.files

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/permanent/chrome/idb/1657114595AmcateirvtiSty.files

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/permanent/chrome/idb/2823318777ntouromlalnodry--naod.files

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/permanent/chrome/idb/2918063365piupsah.files

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/permanent/chrome/idb/3561288849sdhlie.files

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/permanent/chrome/idb/3870112724rsegmnoittet-es.files/journals

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/temporary

4 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/to-be-removed

4 ./snap/snapd-desktop-integration/49/.config/dconf

4 ./snap/snapd-desktop-integration/49/.config/gtk-2.0

4 ./snap/snapd-desktop-integration/49/.config/gtk-3.0

4 ./snap/snapd-desktop-integration/49/.config/ibus

4 ./snap/snapd-desktop-integration/49/.local/share/glib-2.0/schemas

4 ./snap/snapd-desktop-integration/49/.local/share/icons

4 ./snap/snapd-desktop-integration/83/.config/dconf

4 ./snap/snapd-desktop-integration/83/.config/gtk-2.0

4 ./snap/snapd-desktop-integration/83/.config/gtk-3.0

4 ./snap/snapd-desktop-integration/83/.config/ibus

4 ./snap/snapd-desktop-integration/83/.local/share/glib-2.0/schemas

4 ./snap/snapd-desktop-integration/83/.local/share/icons

4 ./snap/snap-store/959

4 ./snap/snap-store/common

4 ./.ssh

4 ./Templates

4 ./Videos

500 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/datareporting

504 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/extensions

52 ./.cache/evolution

52 ./.config/libreoffice/4/user/uno\_packages

52 ./snap/firefox/2356/.config

60 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/datareporting/glean

664 ./.local/share

668 ./.local

70148 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default

70152 ./snap/firefox/common/.cache/mozilla/firefox

70156 ./snap/firefox/common/.cache/mozilla

70400 ./snap/firefox/common/.cache

72 ./snap/firefox/common/.cache/immodules

72 ./snap/snapd-desktop-integration/49

72 ./snap/snapd-desktop-integration/83

76 ./.config/libreoffice/4/user/config

76 ./.local/share/gvfs-metadata

76 ./snap/snapd-desktop-integration/common/.cache/immodules

808 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/storage/permanent/chrome/idb/3870112724rsegmnoittet-es.files

84 ./.config/pulse

84 ./snap/firefox/2356

8 ./.cache/evolution/addressbook

8 ./.cache/evolution/calendar

8 ./.cache/evolution/mail

8 ./.cache/evolution/memos

8 ./.cache/evolution/sources

8 ./.cache/evolution/tasks

8 ./.cache/gnome-desktop-thumbnailer

8 ./.cache/mesa\_shader\_cache/02

8 ./.cache/mesa\_shader\_cache/06

8 ./.cache/mesa\_shader\_cache/09

8 ./.cache/mesa\_shader\_cache/0a

8 ./.cache/mesa\_shader\_cache/0b

8 ./.cache/mesa\_shader\_cache/0c

8 ./.cache/mesa\_shader\_cache/10

8 ./.cache/mesa\_shader\_cache/13

8 ./.cache/mesa\_shader\_cache/16

8 ./.cache/mesa\_shader\_cache/17

8 ./.cache/mesa\_shader\_cache/1c

8 ./.cache/mesa\_shader\_cache/1d

8 ./.cache/mesa\_shader\_cache/1f

8 ./.cache/mesa\_shader\_cache/20

8 ./.cache/mesa\_shader\_cache/22

8 ./.cache/mesa\_shader\_cache/25

8 ./.cache/mesa\_shader\_cache/27

8 ./.cache/mesa\_shader\_cache/29

8 ./.cache/mesa\_shader\_cache/2f

8 ./.cache/mesa\_shader\_cache/35

8 ./.cache/mesa\_shader\_cache/3c

8 ./.cache/mesa\_shader\_cache/3e

8 ./.cache/mesa\_shader\_cache/40

8 ./.cache/mesa\_shader\_cache/46

8 ./.cache/mesa\_shader\_cache/48

8 ./.cache/mesa\_shader\_cache/4b

8 ./.cache/mesa\_shader\_cache/4f

8 ./.cache/mesa\_shader\_cache/50

8 ./.cache/mesa\_shader\_cache/51

8 ./.cache/mesa\_shader\_cache/52

8 ./.cache/mesa\_shader\_cache/59

8 ./.cache/mesa\_shader\_cache/5b

8 ./.cache/mesa\_shader\_cache/5c

8 ./.cache/mesa\_shader\_cache/61

8 ./.cache/mesa\_shader\_cache/62

8 ./.cache/mesa\_shader\_cache/63

8 ./.cache/mesa\_shader\_cache/66

8 ./.cache/mesa\_shader\_cache/67

8 ./.cache/mesa\_shader\_cache/69

8 ./.cache/mesa\_shader\_cache/6b

8 ./.cache/mesa\_shader\_cache/71

8 ./.cache/mesa\_shader\_cache/74

8 ./.cache/mesa\_shader\_cache/78

8 ./.cache/mesa\_shader\_cache/79

8 ./.cache/mesa\_shader\_cache/7a

8 ./.cache/mesa\_shader\_cache/7b

8 ./.cache/mesa\_shader\_cache/7e

8 ./.cache/mesa\_shader\_cache/85

8 ./.cache/mesa\_shader\_cache/8f

8 ./.cache/mesa\_shader\_cache/91

8 ./.cache/mesa\_shader\_cache/96

8 ./.cache/mesa\_shader\_cache/99

8 ./.cache/mesa\_shader\_cache/9a

8 ./.cache/mesa\_shader\_cache/9b

8 ./.cache/mesa\_shader\_cache/9e

8 ./.cache/mesa\_shader\_cache/9f

8 ./.cache/mesa\_shader\_cache/a1

8 ./.cache/mesa\_shader\_cache/a2

8 ./.cache/mesa\_shader\_cache/a4

8 ./.cache/mesa\_shader\_cache/a5

8 ./.cache/mesa\_shader\_cache/a8

8 ./.cache/mesa\_shader\_cache/a9

8 ./.cache/mesa\_shader\_cache/ac

8 ./.cache/mesa\_shader\_cache/ae

8 ./.cache/mesa\_shader\_cache/b2

8 ./.cache/mesa\_shader\_cache/b3

8 ./.cache/mesa\_shader\_cache/b6

8 ./.cache/mesa\_shader\_cache/b9

8 ./.cache/mesa\_shader\_cache/bb

8 ./.cache/mesa\_shader\_cache/c2

8 ./.cache/mesa\_shader\_cache/ca

8 ./.cache/mesa\_shader\_cache/d1

8 ./.cache/mesa\_shader\_cache/d4

8 ./.cache/mesa\_shader\_cache/d9

8 ./.cache/mesa\_shader\_cache/da

8 ./.cache/mesa\_shader\_cache/dc

8 ./.cache/mesa\_shader\_cache/de

8 ./.cache/mesa\_shader\_cache/e0

8 ./.cache/mesa\_shader\_cache/e1

8 ./.cache/mesa\_shader\_cache/eb

8 ./.cache/mesa\_shader\_cache/ec

8 ./.cache/mesa\_shader\_cache/f1

8 ./.cache/mesa\_shader\_cache/f2

8 ./.cache/mesa\_shader\_cache/f3

8 ./.cache/mesa\_shader\_cache/f4

8 ./.cache/mesa\_shader\_cache/f5

8 ./.cache/mesa\_shader\_cache/f7

8 ./.cache/mesa\_shader\_cache/f8

8 ./.cache/mesa\_shader\_cache/fb

8 ./.cache/mesa\_shader\_cache/ff

8 ./.cache/ubuntu-report

8 ./.config/gedit

8 ./.config/gnome-session

8 ./.config/gtk-3.0

8 ./.config/libreoffice/4/user/autotext

8 ./.config/libreoffice/4/user/config/soffice.cfg/modules/swriter/images

8 ./.config/libreoffice/4/user/extensions/bundled/registry/com.sun.star.comp.deployment.configuration.PackageRegistryBackend

8 ./.config/libreoffice/4/user/extensions/bundled/registry/com.sun.star.comp.deployment.help.PackageRegistryBackend

8 ./.config/libreoffice/4/user/extensions/shared/registry/com.sun.star.comp.deployment.configuration.PackageRegistryBackend

8 ./.config/libreoffice/4/user/extensions/shared/registry/com.sun.star.comp.deployment.help.PackageRegistryBackend

8 ./.config/libreoffice/4/user/extensions/tmp/registry/com.sun.star.comp.deployment.configuration.PackageRegistryBackend

8 ./.config/libreoffice/4/user/extensions/tmp/registry/com.sun.star.comp.deployment.help.PackageRegistryBackend

8 ./.config/libreoffice/4/user/pack/autotext

8 ./.config/libreoffice/4/user/pack/config

8 ./.config/libreoffice/4/user/pack/database/biblio

8 ./.config/libreoffice/4/user/uno\_packages/cache/registry/com.sun.star.comp.deployment.configuration.PackageRegistryBackend

8 ./.config/libreoffice/4/user/uno\_packages/cache/registry/com.sun.star.comp.deployment.help.PackageRegistryBackend

8 ./.local/share/evolution/calendar/system

8 ./.local/share/evolution/mail

8 ./.local/share/evolution/memos

8 ./.local/share/evolution/tasks/system

8 ./.local/share/flatpak

8 ./.local/share/gnome-mines

8 ./.local/share/Trash/files

8 ./.local/share/Trash/info

8 ./snap/firefox/2356/.config/fontconfig

8 ./snap/firefox/2356/.config/pulse

8 ./snap/firefox/2356/.local/share/glib-2.0

8 ./snap/firefox/common/.cache/mesa\_shader\_cache/02

8 ./snap/firefox/common/.cache/mesa\_shader\_cache/3b

8 ./snap/firefox/common/.cache/mesa\_shader\_cache/65

8 ./snap/firefox/common/.cache/mesa\_shader\_cache/6b

8 ./snap/firefox/common/.cache/mesa\_shader\_cache/6e

8 ./snap/firefox/common/.cache/mesa\_shader\_cache/c3

8 ./snap/firefox/common/.cache/mesa\_shader\_cache/dc

8 ./snap/firefox/common/.cache/mesa\_shader\_cache/fd

8 ./snap/firefox/common/.cache/mozilla/firefox/sryjp8p3.default/settings/main/ms-images

8 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/bookmarkbackups

8 ./snap/firefox/common/.mozilla/firefox/sryjp8p3.default/settings

8 ./snap/snapd-desktop-integration/49/.config/fontconfig

8 ./snap/snapd-desktop-integration/49/.local/share/glib-2.0

8 ./snap/snapd-desktop-integration/83/.config/fontconfig

8 ./snap/snapd-desktop-integration/83/.local/share/glib-2.0

92 ./.local/share/evolution/addressbook/system

92 ./snap/firefox/common/.cache/mesa\_shader\_cache

**3. Write a command to count total number of the files in present working**

**directory.**

**Command :**

keyur@Ubuntu:~$ find . -type f -print | wc -l

**Output:**

**2661**

**4. Write command to extract 4 line starting from line number 5 to line number 8 from a**

**file which contains 10 lines in it.**

**Command :**

keyur@Ubuntu:~/Desktop/kp\_73$ cat xyz.txt

I am batman

Engineering is key to success

hello world

who are you

why so serious?

With great power

I am A3 student

pqr

xyp

Liverpool FC

keyur@Ubuntu:~/Desktop/kp\_73$ sed -n '5,8p' xyz.txt

**Output:**

why so serious?

With great power

I am A3 student

pqr

**5. Create a file containing rollno, name and marks of 3 students and another file containing**

**branch and address of same 3 students. Use space as delimiter in both files. Write**

**commands to cut rollno and name files first file and address field from second file and**

**paste result in new file and display it.**

**Command :**

**keyur@Ubuntu:~/Desktop/kp\_73$ cat pipe.txt**

**Roll\_no Name Marks**

21 harsh 27

22 keyur 29

23 kushal 13

**keyur@Ubuntu:~/Desktop/kp\_73$ cat pqr.txt**

**Branch Address**

IT Dahisar

MECH Navi mumbai

COMPS THane

**keyur@Ubuntu:~/Desktop/kp\_73$ paste pipe.txt pqr.txt | awk '{print $1 " " $2 " " $5}'**

Roll\_no Name Address

21 harsh Dahisar

22 keyur Navi

23 kushal THane

**Output:**

Roll\_no Name Address

21 harsh Dahisar

22 keyur Navi

23 kushal THane

**Outcomes:**

**CO4: Demonstrate open-source standards usage**

**Conclusion:**

**In this experiment, we successfully learnt to implement pipes and filters in Ubuntu.**