

1. Compiling And running the program

```
pranjali@DESKTOP-PE8R3SN:~/a5$ gcc -Wall main.c `pkg-config fuse --cflags --libs` -lcurl -o main
pranjali@DESKTOP-PE8R3SN:~/a5$ ./main -f email
Parsing Config file to extract hostname, port, username and password...
Listing all the folders in email account...
ADDING DIRECTORY: FINAL
ADDING DIRECTORY: Gate
ADDING DIRECTORY: INBOX
ADDING DIRECTORY: Label
ADDING DIRECTORY: Temp
ADDING DIRECTORY: All Mail
ADDING DIRECTORY: Drafts
ADDING DIRECTORY: Important
ADDING DIRECTORY: Sent Mail
ADDING DIRECTORY: Spam
ADDING DIRECTORY: Starred
ADDING DIRECTORY: Trash
Counting messages in all the folders in email account...
LABELS: 4
FINAL
Gate
Label
Temp
Fetching subjects of all emails in all folders...
Counting messages in all the labels in email account...
Getting Subjects of Labels...
Starting FUSE...

```

After Starting FUSE... comes proceed to next step

2. cd into the mounted directory

ls: List all the folders(default+labels) in the email account)

cd Gate: Gate is a label

ls: List all mails which are in label Gate (name of file is subject of mail)

(includes some encoded characters)

```
pranjali@DESKTOP-PE8R3SN: ~/a5/email/Gate
pranjali@DESKTOP-PE8R3SN:~/a5$ cd email
pranjali@DESKTOP-PE8R3SN:~/a5/email$ ls
'All Mail'  FINAL  INBOX    Label    Spam    Temp
Drafts     Gate   Important 'Sent Mail' Starred  Trash
pranjali@DESKTOP-PE8R3SN:~/a5/email$ cd Gate
pranjali@DESKTOP-PE8R3SN:~/a5/email/Gate$ ls
'$'\001'.txt'
'GATE2021Alert'$'\177'.txt'
GATE2021DataChange.txt
'GATE2021EnrolmentID'$'\343\210\313' 'V-' '$'\360\024\322' '9'$'\354\031\247\213\264' '%' '$'\312\n\252\237\362
\330' 'Hdh'$'\364'\'' '$'\257\210\333' 'u'$'\035\317\020\373' ' ' '$'\016\272' '0:' '$'\022\235' 'eI'$'\205' 's'$'
\f''; '$'\342\024\346'')~'$'\002' 'c'$'\224\203\201\353\301\201\251' '#' '$'\353\037\024' 'K@$R'$'\242\224\03
1\261\263\034' '1'$'\344' '2'$'\364' 'toz.' '$'\262\201' '4h'$'\023\357\236' '5Z2~' '$'\002\243\354' '$'$'\275\373
\255\251\017\203\374\237' 'B'$'\270\345\327\257\003\300' ';7c'$'\267\220\241\204\320\032\214\315' 'e'$'\205
\361\363\271\267' 'E'$'\276' 'v'$'\217' 'L'$'\325' 'g'$'\023\333' '*' '$'\352' 'u'$'\276\b\223' 'n'$'\342' ': '$'\0
24\225' 'E'$'\362\233' 'r'$'\251' ' | '$'\247\332' 'q'$'\032\313' 'N'$'\215\230\233' '96' '$'\342' 'B' '$'\344\025'
' !toc'$'\f\352' 'M'$'\a\277' ': '$'\252' 'D'$'\333\022' 'YX` '$'\377' '}' 7m'$'\024\271\202\017\360\001' ' ">3~- '$'
\377' 'Z'$'\233\264\v\206\036' ' '$'\256\003\356\311\037\345\250\035\355\310\352\353\303' 'Su'$'\347\260' 'n
v'$'\310' 'C'$'\306\332\377\256\361' 'a'$'\207\005' '3.Wz'$'\327\266' 'G'$'\311\006\224\314\031\361\374\271\
220\364\315\376' '-' '$'\337' 'Q'$'\004\005\370\217\224\265\277\274\374' ';T'?W'$'\031\021' 'Dh0'$'\327\217\0
23\270\354\326' '\ '$'\016' 'GK^W'$'\020\021\220' '}' '$'\243\273' 'B'$'\036' 'I'$'\330' 'p| '$'\366\343\377\177'
.txt'
GATE2021SubmitApplicationFormOTP.txt
StatusofYourGATE2021Application.txt
pranjali@DESKTOP-PE8R3SN:~/a5/email/Gate$
```

3. cd "Sent Mail"

ls: List all mails in Sent Mail folder

echo File in Sent Mail >> sent.txt

- Creates a file in Sent Mail folder with name sent.txt and content "File in Sent Mail" (verified using ls and cat sent.txt)
- Also sends a mail so that a mail appears in Sent folder also in Gmail

```
pranjali@DESKTOP-PE8R3SN:~/a5/email/Gate$ cd ..
pranjali@DESKTOP-PE8R3SN:~/a5/email$ cd "Sent Mail"
pranjali@DESKTOP-PE8R3SN:~/a5/email/Sent Mail$ ls
'2itemsratapmentionedyouin#TeamTanayCommunity'$'\230\177'.txt.txt'
CheckrsmentionedyouinMajorLeagueHackingCommunity.txt.txt
SMTPSentMailrityalertnningwithhelpfulshoppingandcelebrations.txt.txt.txt.txt.txt
SMTPexamplemessage.txt
SMTPexampleurityalertperiment-library_experiment_multitasking.html.png.txt.txt.txt.txt.txt
pranjali@DESKTOP-PE8R3SN:~/a5/email/Sent Mail$ echo File in Sent Mail >> sent.txt
pranjali@DESKTOP-PE8R3SN:~/a5/email/Sent Mail$ ls
'2itemsratapmentionedyouin#TeamTanayCommunity'$'\230\177'.txt.txt'
CheckrsmentionedyouinMajorLeagueHackingCommunity.txt.txt
SMTPSentMailrityalertnningwithhelpfulshoppingandcelebrations.txt.txt.txt.txt.txt
SMTPexamplemessage.txt
SMTPexampleurityalertperiment-library_experiment_multitasking.html.png.txt.txt.txt.txt.txt
sent.txt
pranjali@DESKTOP-PE8R3SN:~/a5/email/Sent Mail$ cat sent.txt
File in Sent Mail
```

4. cd "Drafts"

ls : List all mails in Drafts folder

echo File in drafts >> draft.txt

- Creates a file in Drafts folder with name draft.txt and content "File in drafts" (verified using ls and cat draft.txt)

```

pranjali@DESKTOP-PE8R3SN:~/a5/email$ cd Drafts
pranjali@DESKTOP-PE8R3SN:~/a5/email/Drafts$ ls
code1.mtMailistmasplanningwithhelpfulshoppingandcelebrations.txt.txt.txt
www.psytoolkit.org_experiment-library_experiment_multitasking.html.png.txt.txt
pranjali@DESKTOP-PE8R3SN:~/a5/email/Drafts$ echo File in drafts >> draft.txt
pranjali@DESKTOP-PE8R3SN:~/a5/email/Drafts$ ls
code1.mtMailistmasplanningwithhelpfulshoppingandcelebrations.txt.txt.txt
draft.txt
www.psytoolkit.org_experiment-library_experiment_multitasking.html.png.txt.txt
pranjali@DESKTOP-PE8R3SN:~/a5/email/Drafts$ cat draft.txt
File in drafts

```

5. Starred Folder

```

pranjali@DESKTOP-PE8R3SN:~/a5/email/Drafts$ cd ..
pranjali@DESKTOP-PE8R3SN:~/a5/email$ cd Starred
pranjali@DESKTOP-PE8R3SN:~/a5/email/Starred$ ls
'HiednewtravelMemoriesIPlanwithredBuslshoppingandcelebrations.txt.txt.txt.txt.txt'$'\001''.txt'
pranjali@DESKTOP-PE8R3SN:~/a5/email/Starred$

```

6. Make/Remove/Rename a Label

```

pranjali@DESKTOP-PE8R3SN:~/a5/email/Trash$ cd ..
pranjali@DESKTOP-PE8R3SN:~/a5/email$ mkdir label1
pranjali@DESKTOP-PE8R3SN:~/a5/email$ ls
'All Mail'  FINAL  INBOX    Label    Spam    Temp    label1
Drafts     Gate   Important 'Sent Mail' Starred  Trash
pranjali@DESKTOP-PE8R3SN:~/a5/email$ cd label1
pranjali@DESKTOP-PE8R3SN:~/a5/email/label1$ ls
pranjali@DESKTOP-PE8R3SN:~/a5/email/label1$ cd ..
pranjali@DESKTOP-PE8R3SN:~/a5/email$ cd Label
pranjali@DESKTOP-PE8R3SN:~/a5/email/Label$ ls
pranjali@DESKTOP-PE8R3SN:~/a5/email/Label$ cd ..
pranjali@DESKTOP-PE8R3SN:~/a5/email$ rmdir Label
pranjali@DESKTOP-PE8R3SN:~/a5/email$ ls
'All Mail'  FINAL  INBOX    'Sent Mail'  Starred  Trash
Drafts     Gate   Important  Spam        Temp    label1
pranjali@DESKTOP-PE8R3SN:~/a5/email$

```

```

pranjali@DESKTOP-PE8R3SN:~/a5/email$ ls
'All Mail'  FINAL  INBOX    'Sent Mail'  Starred  Trash
Drafts     Gate   Important  Spam        Temp    label1
pranjali@DESKTOP-PE8R3SN:~/a5/email$ mv label1 renameLabel
pranjali@DESKTOP-PE8R3SN:~/a5/email$ ls
'All Mail'  FINAL  INBOX    'Sent Mail'  Starred  Trash
Drafts     Gate   Important  Spam        Temp    renameLabel
pranjali@DESKTOP-PE8R3SN:~/a5/email$ cd renameLabel/
pranjali@DESKTOP-PE8R3SN:~/a5/email/renameLabel$

```