# OS-Lab1 K. Ram Mohan

### COE19B055

Q1)

```
(S: lists all files; folders in this directory k. Rom Mohan US-1,11: List all files, folders in directory along with size, coeation date E other details
```

```
ram@ram:~/Documents$ ls
os
ram@ram:~/Documents$ ls -l
total 4
drwxrwxr-x 2 ram ram 4096 Aug 7 12:15 Os
ram@ram:~/Documents$ ls -ll
total 4
drwxrwxr-x 2 ram ram 4096 Aug 7 12:15 Os
ram@ram:~/Documents$
```

2) cat: Shows the content (total) of a file K.Ram Mohan

more: shows the content of a file with respect to size of terminal. If the terminal is big enough it shows all Content or we must press enter to read more. After that we will be able to scroll the content-

less: It is similar to more but it access Page by page. Once all the content is shown we need to press "?" to stop the command. Other than Pressing ?" we can't do anything. After pressing ? content will be esosed

CS Scanned with CamScanner

it laoreet nunc. Nam quis mauris nec arcu taculis varius. Sed bibendum bibendum arcu a c Quisque finibus lobortis dui, eu suscipit quam fringilla id.

```
3) CP: It copies the content from a file to another file

CP-8: It copies the structure, contents of directory

Bestmation

MV: If we use mov On a file which is not there then

the source file will be renamed to destination file name.

If we use on a destination file which is existed then

the content will be copied from source to destination &

Source file will be removed,

Em: It removes a file

mkdix: It creates a new directory

cofigenss

K.Ram Hohan
```

```
ram@ram:~/Documents$ cp os.txt os_1.txt
ram@ram:~/Documents$ ls
OS os 1.txt os.txt
ram@ram:~/Documents$ cp -r OS os 1
ram@ram:~/Documents$ ls
OS os_1 os_1.txt os.txt
ram@ram:~/Documents$ mv os_1.txt os_2.txt
ram@ram:~/Documents$ ls
OS os_1 os 2.txt os.txt
ram@ram:~/Documents$ mv os 2.txt os.txt
ram@ram:~/Documents$ ls
OS os_1 os.txt
ram@ram:~/Documents$ mv os.txt os_1.txt
ram@ram:~/Documents$ mv os_1.txt os.txt
ram@ram:~/Documents$ ls
OS os_1 os 1.txt os.txt
ram@ram:~/Documents$ rm os 1.txt
ram@ram:~/Documents$ ls
OS os_1 os.txt
ram@ram:~/Documents$ mkdir os_2
ram@ram:~/Documents$ ls
OS os_1 os_2 os.tx<u>t</u>
ram@ram:~/Documents$
```

Tar:

The aschives files.

The aschi

```
ram@ram:~/Documents$ tar cvf file.tar *.txt
os 1.txt
os.txt
ram@ram:~/Documents$ tar xvf file.tar
os 1.txt
os.txt
ram@ram:~/Documents$ tar cvzf file_1.tat *.txt
os 1.txt
os.txt
ram@ram:~/Documents$ tar cvzf file_1.tar *.txt
os 1.txt
os.txt
ram@ram:~/Documents$ tar xvzf file_1.tar
os 1.txt
os.txt
  ram@ram:~/Documents$ tar tvf file.tar.tbz
                            2814 2021-08-07 13:17 os.txt
  -rw-rw-r-- ram/ram
  ram@ram:~/Documents$ tar xvf file.tar os.txt
  os.txt
  ram@ram:~/Documents$ tar xvf file.tar os 2.txt
  tar: os 2.txt: Not found in archive
  tar: Exiting with failure status due to previous errors
  ram@ram:~/Documents$ tar czf file.tar | wc -c
  tar: Cowardly refusing to create an empty archive Try 'tar --help' or 'tar --usage' for more information.
  ram@ram:~/Documents$ tar czf file.tar
  tar: Cowardly refusing to create an empty archive
  Try 'tar --help' or 'tar --usage' for more information.
  ram@ram:~/Documents$ tar czf file.tar wc
  tar: wc: Cannot stat: No such file or directory
  tar: Exiting with failure status due to previous errors
  ram@ram:~/Documents$ tar czf file.tar wc -c
  tar: wc: Cannot stat: No such file or directory
  tar: Exiting with failure status due to previous errors
  ram@ram:~/Documents$ tar czf file.tar| wc -c
  tar: Cowardly refusing to create an empty archive
Try 'tar --help' or 'tar --usage' for more information.
  ram@ram:~/Documents$ tar czf file.tar| wc -txt
  wc: invalid option -- 't'
  Try 'wc --help' for more information.
  tar: Cowardly refusing to create an empty archive Try 'tar --help' or 'tar --usage' for more information.
```

tar: Refusing to read archive contents from terminal (missing -f option?)

ram@ram:~/Documents\$ tar tf file.tar
ram@ram:~/Documents\$ tar tf file\_1.tar

ram@ram:~/Documents\$ tar t file\_1.tar

ram@ram:~/Documents\$

tar: Error is not recoverable: exiting now

os\_1.txt

```
COE(9BOSS
                                          K-Ram mohan
   helps to filter & search a file
 GOEP:
  grep coptions "Pattern" filename
   -c displays count of matches (case sensitive)
   -i : lase insensitive
   -1 1 displays file names that matches patter
         (for this file-name is not required-place *)
   -w: match whole word
   -0: displays only matched Pattern
   -n 1 Show the number
   -v : Point all lines do not match Pottern
   1 in pattern: Points lines that start with pattern
   $ in " : points lines that end with lattern
   -f: takes patters from file, one per line
CS Scanned with CamScanner
```

```
rangem:-/DocumentsS grep -t "Lore" os.txt

Jorn ipsum dolor sit amet, consecterur adipiscing elit. Etiam mattis elit arcu, sed commodo massa semper ac. Nam interdum leo cursus dictum porta. a. Curabitur tincidunt vulputate aliquam. Nulla molestie libero ac odio faucibus sollicitudin. Donec tincidunt tincidunt dolo, vitae suscipit lacus pre Phasellus auctor ipsum non metus vestibulum volutpat. Curabitur pellentesque massas velit. Nunc placerat, eros id dignissim ullamcorper, velit velit: onec id elit leo. Cras vel justo et purus sagitits efficitur eget id magna. Duts a imperdete urna, ac interdum quam. Donec sodales lovem sed felis be felis, yel sagitits dolor tempor eget. Rancemas commodo nassa vitae vestibulum consectetur. Pellentesque habituat morbi tristique semectus et netus: litricies elit. Aliquam eget laoreet teclius. Horbi faucibus, leo Id consectetur aliquam, erat ante dapibus augue, vitae accumsan telius ni consequata la consectetur pellentesque habituat norbi tristique semectus et netus: litricies elit. Aliquam eget laoreet teclius. Horbi faucibus, leo Id consectetur aliquam erat ante dapibus augue, vitae accumsan telius ni consequata la consectetur aliquam eget laoreet teclius. Horbi faucibus, leo Id consectetur aliquam erat ante dapibus augue, vitae accumsan telius ni consequata la consectetur adiputation in laurus, nullam at nullam sucrepti dam nec telius venenatas, eletrend lacrina erat convalita dium exa sed sodales lacus euismoda a. Donec alique osuere lacrina lavim. Maecenas est sem, volutpat vitae nisi id, molestie posuere enim. Quisque malesuada ligula sagitits fermentum efficitur. In angeros:-/DocumentsS grep -t "Lore" os.txt

rangeros:-/DocumentsS grep -t "Lore" os.txt

rangeros:-/DocumentsS grep -t "Lore" os.txt

rangeros:-/DocumentsS grep -w "Lore" os.txt

rangeros:-/DocumentsS grep -w "Lore" os.txt

rangeros:-/DocumentsS grep - "Lore" os.txt

rangeros:-/DocumentsS grep - "Lore" os.txt

rangeros:-/DocumentsS grep - "Lorem" os.txt

rangeros:-/DocumentsS grep - "Lorem" os.txt

rangeros:-/D
```

In auctor at justo ut viverra. Nullam faucibus tempus dolor, eget dignissim risus pretium non. Nam nec viverra est. Ut lacinia interdum dui eu tinci s. Ut volutpat neque at mauris tincidunt pretium. Donec a arcu nec risus molestie pulvinar non quis libero. Mauris ornare erat non augue vestibulum, nunc at molestie. Vivamus bibendum a nibh eget accumsan. Duis sed tristique augue. Vestibulum vel arcu massa.

Nulla eu placerat erat. hendrerit laoreet nunc. Nam quis mauris nec arcu iaculis varius. Sed bibendum bibendum arcu a conque. Sed non magna dolor. U

```
grep: os_2: Is a directory

os.txt

rangeran:-/DocumentsS grep -w "Lore" os.txt

rangeran:-/DocumentsS grep -w "Lore" os.txt

some ipsum dolor sit anet, consectur adiptscing elit. Etiam mattis elit arcu, sed commodo massa semper ac. Nam interdum leo cursus dictum porta.

. Curabitur tincidunt vulputate aliquam. Nulla molestie libero ac odio faucibus sollicitudin. Donec tincidunt tincidunt odio, vitae suscipit lacus granderan:-/DocumentsS grep -n "lorem" os.txt

Jarem

rangeran:-/DocumentsS grep -n "lorem" os.txt

Teminals a ucutor ipsum non netus vestibulum volutpat. Curabitur pellentesque massa velit. Nunc placerat, eros id dignissim ullamcorper, velit veli

Donec id elit leo. Cras vel justo et purus sagittis efficitur eget id magna. Duis a imperdeturna, ac interdum quam. Donec sodales lacus sef felit

felis, vel sagittis dolor tempor eget. Maceras commodo massa vitae vestibulum consectetur. Pellentesque labaitant morbit ristique senectus en neut

"Interias elit. Aliquam eget laoreet tellus. Morbi faucibus, leo id consectetur aliquam, erat ante daptbus augue, vitae accumsan tellus mi conseque

Imminals ae nunc. Curabitur pellentesque ullancorper turpis vel posuere.

"Pellentesque laoreet taculis mollis. Nullam suscipit diam nec tellus venenatis, eleffend lacinia erat convallis. Quisque mauris leo, fermentum nor

a interdum ut, scelerisque ac nulla. Nullam an insi saplen. Curabitur saplen est, moleste quis portitior at, fermentum eget tortor. In luctus, mul

t portitior ligula ipsum ac ligula. Vivamus ut lectus nec ex sollicitudin finibus. Nullam fringilla diam ex, sed sodales lacus euismod a. Donec alic

posuere lacinia 'ira'. Macerans est sem, volutpat vitae nisi id, nolestie posuere enin. Quisque malesuada ligula sagittis fermentum eget accumsan. Duis sed tristique augue. Vestibulum consecutation of vivamus dictum porta.

Curabitur tincidunt vulputate aliquam. Nulla molestie libero ac odio faucibus sollicitudin. Donec tincidunt tincidunt odio, vitae suscipit lacus granderai:-/Documents$ grep "Norem" os.txt
```

Find:

```
find:

Find:

(OF 1980S'
K. Ram Mohan

Find [Stast point] [expression] [-orthon) (what to find)

- name: search for files with name given

- empty: Search for empty files (folders

- print: Displays path name of files
```

```
./os_1.txt
ram@ram:~/Documents$ find ./ -name os.txt
./os.txt
ram@ram:~/Documents$ find ./ -name "*.txt"
./os.txt
./os_1.txt
ram@ram:~/Documents$ find ./ -empty
./os 2
./os
./os_1
ram@ram:~/Documents$ find ./ -perm 664
./file.tar
./os.txt
./os_1.txt
./file_1.tar
./file.tar.tbz
ram@ram:~/Documents$ find ./ -print
./file.tar
./os.txt
./os_2
./os_1.txt
./file_1.tar
```

ssh:

CO E 198055 K.Ram Mohan Secure shell helps to securely comects blu host a client It has 3 pasts ash command user-name host

**CS** Scanned with CamScanner

diff:

COE 198055 It combase types mus pa nue & dine qitterence K. Ram Mohan diff coption) files file 2 -a: content -u : unitied

CS Scanned with CamScanner

\*\*\* 5,9 \*\*\*\* Nulla eu placerat erat, hendrerit laoreet nunc. Nam quis mauris nec arcu iaculis varius. Sed bibendum bibendum arcu a congue. Sed non magna dolor. na. Vestibulum a suscipit sapien. Quisque finibus lobortis dui, eu suscipit quam fringilla id.

Phasellus auctor ipsum non metus vestibulum volutpat. Curabitur pellentesque massa velit. Nunc placerat, eros id dignissim ullamcorper, velit veli
Donec id elit leo. Cras vel justo et purus sagittis efficitur eget id magna. Duis a imperdiet urna, ac interdum quam. Donec sodales lorem sed felis
t felis, vel sagittis dolor tempor eget. Maecenas commodo massa vitae vestibulum consectetur. Pellentesque habitant morbi tristique senectus et netu
ultricies elit. Aliquam eget laoreet tellus. Morbi faucibus, leo id consectetur aliquam, erat ante dapibus augue, vitae accumsan tellus mi consequa
convallis et nunc. Curabitur pellentesque ullamcorper turpis vel posuere.

Soot according to Agell by Lefault. Kram Mohan SORT ! In case of text it short line by line sort (filename) -0: We can move contents to a new file 208t inputfile. txt > filename.txt Sost -0 filename tot inputfile txt -r: sort in severse order -n: numerically in hom Hoxis . --nr= " servese -c: Check if sootled on not -u: Sort a remove duplicates -ms to sort by month

CS Scanned with CamScanner

auctor at justo ut viverra. Nullam faucibus tempus dolor, eget dignissim risus pretium non. Nam nec viverra est. Ut lacinia interdum dui eu tincidunt. Aenean pharetra turpis vitae velit fi nec risus molestie pulvinar non quis libero. Mauris ornare erat non augue vestibulum, ultricies eleifend mauris sollicitudin. Sed posuere at nunc at molestie. Vivamus bibendum a nibh eget em ipsum dolor sit amet, consectetur adipiscing elit. Etiam mattis elit arcu, sed commodo massas semper ac. Nam interdum leo cursus dictum porta. Nam sed purus diam. Curabitur bibendum posu ac odio faucibus sollicitudin. Donec tincidunt tincidunt odio, vitae suscipit lacus porta sed. la eu placerat erat, hendrerit laoreet nunc. Nam quis mauris nec arcu iaculis varius. Sed bibendum bibendum arcu a congue. Sed non magna dolor. Ut fermentum et ipsum nec sodales. Fusce ut

uscipit quam fringilla id.

us auctor ipsum non metus vestibulum volutpat. Curabitur pellentesque massa velit. Nunc placerat, eros id dignissim ullamcorper, velit velit vehicula neque, sit amet euismod eros justo di magna. Duis a imperdiet urna, ac interdum quam. Donec sodales lorem sed felis blandit, at volutpat orci dignissim. Aliquam ornare est felis, vel sagittis dolor tempor eget. Maecenas ique senectus et netus et malesuada fames ac turpis egestas. Suspendisse sed ultricies elit. Aliquam eget laoreet tellus. Morbi faucibus, leo id consectetur aliquam, erat ante dapibus s tincidunt eget, convallis et nunc. Curabitur pellentesque ullamcorper turpis vel posuere.

:-/Documents\$ sort -n os\_1.txt

In auctor at justo ut viverra. Nullam faucibus tempus dolor, eget dignissim risus pretium non. Nam nec viverra est. Ut lacinia interdum dui eu tincidunt. Aenean pharetra turpis vitae velit fi rcu nec risus molestie pulvinar non quis libero. Mauris ornare erat non augue vestibulum, ultricies eleifend mauris sollicitudin. Sed posuere at nunc at molestie. Vivamus bibendum a nibh eget Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam mattis elit arcu, sed commodo massa semper ac. Nam interdum leo cursus dictum porta. Nam sed purus diam. Curabitur bibendum posu ero ac odio faucibus sollicitudin. Donec tincidunt tincidunt odio, vitae suscipit lacus porta sed. Nulla eu placerat erat, hendrerit laoreet nunc. Nam quis mauris nec arcu iaculis varius. Sed bibendum bibendum arcu a congue. Sed non magna dolor. Ut fermentum et ipsum nec sodales. Fusce ut

e, eu suscipit quam fringilla id.

Phasellus auctor ipsum non metus vestibulum volutpat. Curabitur pellentesque massa velit. Nunc placerat, eros id dignissim ullamcorper, velit velit velitu velitula neque, sit amet euismod eros justo eget id magna. Duis a imperdiet urna, ac interdum quan. Donce sodales loren sed felis blandit, at volutpat orci dignissim ullamcorper, velit velit velitu velicula neque, sit amet euismod eros justo itristique senectus et netus et malesuada fames ac turpis egestas. Suspendisse sed ultricles elit. Aliquam eget laoreet tellus. Morbi faucibus, leo id consectetur aliquam, erat ante dapibus angerar: //occuments/sort -c os\_1.txt

p. auctor issort -u os\_1.txt

p. auctor issort -u os\_1.txt

ctor at justo ut viverra. Nullam faucibus tempus dolor, eget dignissim risus pretium non. Nam nec viverra est. Ut lacinia interdum dui eu tincidunt. Aenean pharetra turpis vitae velit fie crisus molestie pulvinar non quis libero. Mauris ornare erat non augue vestibulum, ultricies eleifend mauris sollicitudin. Sed posuere at nunc at molestie. Vivamus bibendum a nibh eget ipsum dolor sit amet, consectetur adiptiscing elit. Etiam mattis elit arcu, sed commodo massa semper ac. Nam interdum leo cursus dictum porta. Nam sed purus diam. Curabitur bibendum posu c odio faucibus sollicitudin. Donec tincidunt toin, vitae suscipit lacus porta sed. eu placerat erat, hendrerit laoreet nunc. Nam quis mauris nec arcu iaculis varius. Sed bibendum bibendum arcu a congue. Sed non magna dolor. Ut fermentum et ipsum nec sodales. Fusce ut

que massa velit. Nunc placerat, eros id dignissim ullamcorper, velit velit vehicula neque, sit amet euismod eros justo orem sed felis blandit, at volutpat orci dignissim. Aliquam ornare est felis, vel sagittis dolor tempor eget. Maecenas notes sed ultricise elit. Aliquam eget laoreet tellus. Morbi faucibus, leo id consectetur aliquam, erat ante dapibus orper turpis vel posuere.

pwd:

```
Point working Directory
Points path of working Directory
Pud -L - Symbolic path
Pud -P _ actual path
```

COFGBOSS K-Ram Mohan

```
ram@ram:~/Documents$ pwd
/home/ram/Documents
ram@ram:~/Documents$ pwd -l
bash: pwd: -l: invalid option
pwd: usage: pwd [-LP]
ram@ram:~/Documents$ pwd -L
/home/ram/Documents
ram@ram:~/Documents
ram@ram:~/Documents
ram@ram:~/Documents
```

## gzip:

```
Gettaboss

Compressed files

Gettaboss

compressed file over if Compressed file name abolady

-t: forceful compress a file ever if Compressed file name abolady

-d: allows to decompress

-t: displays licence

T: Compress folder & its all subfolders

-v: displays size of compression

CS Scanned with CamScanner
```

PS: Displays currently - running process COE 1980SS K.Ram Mohan

```
ram@ram:~/Documents$ ps
PID TTY TIME CMD
2606 pts/1 00:00:00 bash
3903 pts/1 00:00:00 ps
ram@ram:~/Documents$ ps -a
PID TTY TIME CMD
1380 tty2 00:05:07 Xorg
1433 tty2 00:00:00 gnome-session-b
3904 pts/1 00:00:00 ps
ram@ram:~/Documents$
```

### free:

free:

Chows how much memory is free

There (options)

-b: bytes

-k: KB

-m: MB

-9: 4B

-t: TB

Kill:

terminates process manually

30/10		99-99-9				
cam@cam:	3949 pts/. :~/Documents\$		о рз			
r drigt dri.	total	used	free	shared	buff/cache	available
Mem:	4027868		2148744	28880	973092	2860792
Swap:	459260		459260	20000	J13072	2000172
	~/Documents\$		437200			
r driigi drii.	total	used	free	shared	buff/cache	available
Mem:	4124536832		2200305664	29540352		2929471488
Swap:	470282240		470282240	2,5,0552	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,2,1,2,00
	~/Documents\$					
	total	used	free	shared	buff/cache	available
Mem:	4027868	906028	2148744	28848	973096	2860828
Swap:	459260	0	459260			
	~/Documents\$	free -m				
	total	used	free	shared	buff/cache	available
Mem:	3933	885	2098	28	950	2793
Swap:	448	0	448			
ram@ram:	~/Documents\$	free -g				
	total	used	free	shared	buff/cache	available
Mem:	3	0	2	0	0	2
Swap:	0	0	0			
ram@ram:	~/Documents\$					
	total	used	free		buff/cache	
Mem:	4027868	906540	2148224	28848	973104	2860308
Swap:	459260	0	459260			
Total:	4487128	906540	2607484			
ram@ram:	~/Documents\$					
	total	used	free		buff/cache	
Mem:	0	0	0	0	0	0
Swap:	0	0	0			
	~/Documents\$					
rree: or	otion requires	s an argumen	t 'c'			
lle ago i						
Usage:	options]					
Tree [c	ope cons j					
Options:						
ope cons.			da bulana			

#### chmod:

```
chmod:
                                           (DE 193055
  change access mode of a file
  chmod [reference] (opexator) (mode) fole.
                                lad old tugal
  Reference.
                 obserges mogs
     u-owner
                      + 1 Ada
                      - 1 semone of assessed
     g - group
                                                  -woite
     0-others
                      = : exact mode for
     a-all
                           specified classes
```

```
ram@ram:~/Documents$ chmod u+r-wx os.txt
ram@ram:~/Documents$ chmod u+wx os.txt
ram@ram:~/Documents$ chmod u=rwx, o=x os.txt
chmod: invalid mode: 'u=rwx,'
Try 'chmod --help' for more information.
ram@ram:~/Documents$ chmod u=r+w+x, o=x os.txt
chmod: invalid mode: 'u=r+w+x,'
Try 'chmod --help' for more information.
ram@ram:~/Documents$ chmod u=r+w+x,o=x os.txt
ram@ram:~/Documents$ chmod u=r-w+x,o=x os.txt
ram@ram:~/Documents$ chmod u=r-w+x,o=x os.txt
ram@ram:~/Documents$ chmod u=r+w+x,o=x os.txt
```

```
Q6)
// Ram Mohan - COE19B055
#include<stdio.h>
#include<stdlib.h>
int main()
{
  int a=10, *p;
  p = &a;
  printf("Address of integer variable: %d\n", p);
  //printing address of an integer variable
  int b[10] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};
  p = b;
  for(int i=0; i<10; i++)
  {
    //p = \&b[i];
    printf("Address of %d element in array: %d \n", i+1, p++);
    //printing address of an array elements
  }
}
```

```
//Ram Mohan - COE19B055
#include<stdio.h>
#include<stdlib.h>
#include<ctype.h>
int main()
{
  FILE *file1, *file2, *file3, *file4;
  char content, content1;
  file1 = fopen("sample_1.txt", "r"); //Opening file1
  if(file1 == NULL)
                                   //checking whether file 1 is created or not
  {
    printf("File1 failed to open.");
  }
  else
  {
    file2 = fopen("sample_2.txt", "w"); //opening file2
    if(file2==NULL)
      printf("File2 failed to open");
    }
    else
      content = fgetc(file1);
                                    //getting first character of file1
      while(content!=EOF)
      {
```

```
fputc(content, file2);
                                   //copying content from file 1 to file 2
      content = fgetc(file1);
                                   //getting the next content
    }
    printf("File copied Successfully\n");
    fclose(file1);
    fclose(file2);
  }
}
file1 = fopen("sample_1.txt", "r");
file3 = fopen("sample_3.txt", "w");
if(file1 == NULL)
{
  printf("File1 failed to open.");
}
else
{
  content = fgetc(file1);
  while(content!=EOF)
  {
    if(content>='A' && content<='Z')
                                              //condition to change upper to lower
    {
      content = tolower(content);
      fputc(content, file3);
      content = fgetc(file1);
    }
    else
                                 //condition to change lower to upper
    {
```

```
content = toupper(content);
    fputc(content, file3);
    content = fgetc(file1);
    }
}
printf("Content modified successfully");
}
```

```
Q8)
//Ram Mohan - COE19B055
#include<stdio.h>
#include<stdlib.h>
#include<ctype.h>
int main()
{
  FILE *file1, *file2;
  char content;
 file1 = fopen("sample_2.txt", "r");
  if(file1 == NULL)
                                  //checking whether file1 is created or not
  {
    printf( "File1 failed to open." );
  }
  else
  {
    file2 = fopen("sample_5.txt", "w"); //opening file2
    if(file2==NULL)
    {
      printf("File2 failed to open");
    }
    else
    {
      content = fgetc(file1); //getting first character of file1
      while(content!=EOF)
```

```
{
       fputc(content, file2);
                                   //copying content from file1 to file2
       content = fgetc(file1);
                                    //getting the next content
    }
    fclose(file1);
    fclose(file2);
  }
}
//Now removing vowels and moving it to original file from temporary file
file1 = fopen("sample_5.txt", "r");
if(file1 == NULL)
{
  printf("File failed to open");
}
else
{
  file2 = fopen("sample_2.txt", "w");
  content = fgetc(file1);
  while(content!=EOF)
  {
    if(!(content=='A' || content=='E' || content=='I' || content=='O' || content=='U' ||
      content=='a' || content=='e' || content=='i' || content=='o' || content=='u'))
    {
       fputc(content, file2);
    }
    content = fgetc(file1);
  }
```

```
fclose(file1);
fclose(file2);

remove("sample_5.txt");  //removing the temporary file

printf("Removed vowels from sample_2.txt successfully");
}
```