

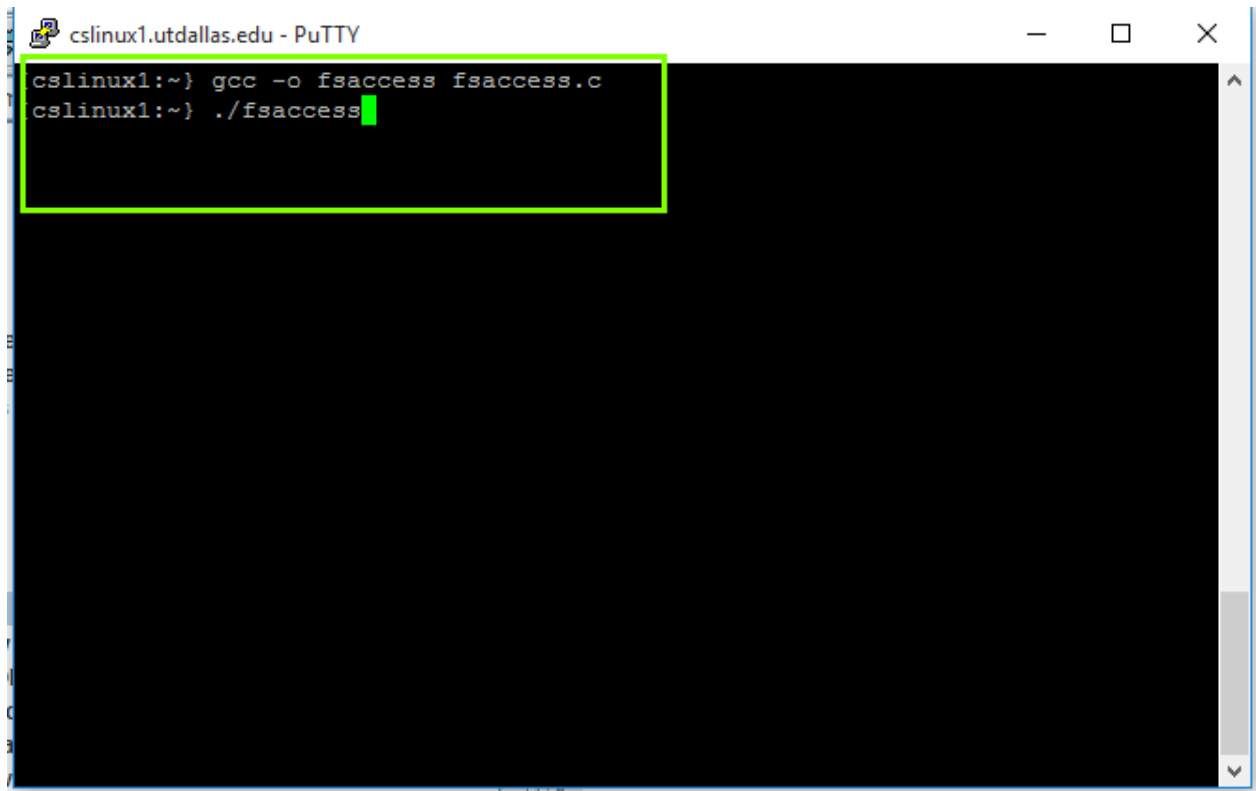
OS Project 2 :

__@author: Mayur Talole, Dheeraj Urs.

Modified Unix file system version 6

Sample output report:

1. Compiling and running c code

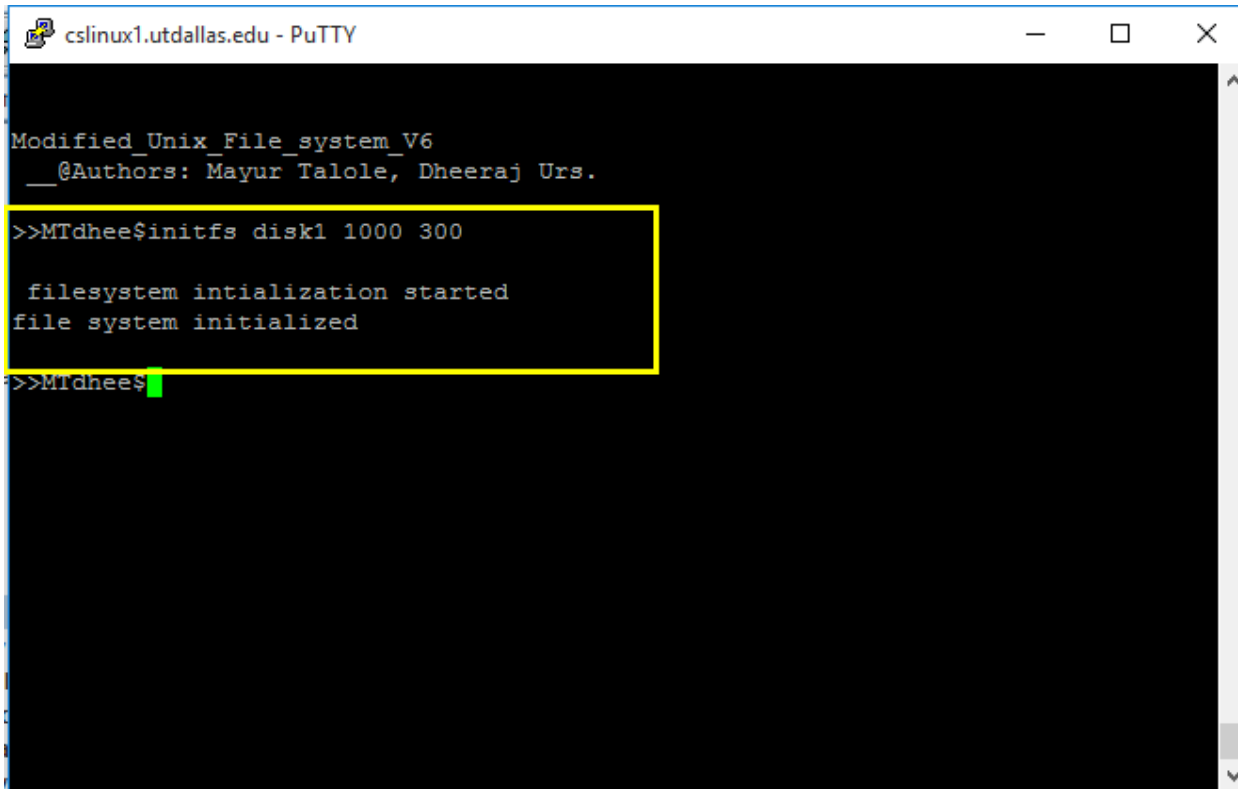


The screenshot shows a PuTTY terminal window titled "cslinux1.utdallas.edu - PuTTY". The terminal output is as follows:

```
cslinux1:~} gcc -o fsaccess fsaccess.c  
cslinux1:~} ./fsaccess
```

The second line of the command prompt is followed by a green cursor. The text of the commands is highlighted with a green rectangular box.

2. Initfs command



```
cslinux1.utdallas.edu - PuTTY
Modified_Unix_File_system_V6
__@Authors: Mayur Talole, Dheeraj Urs.

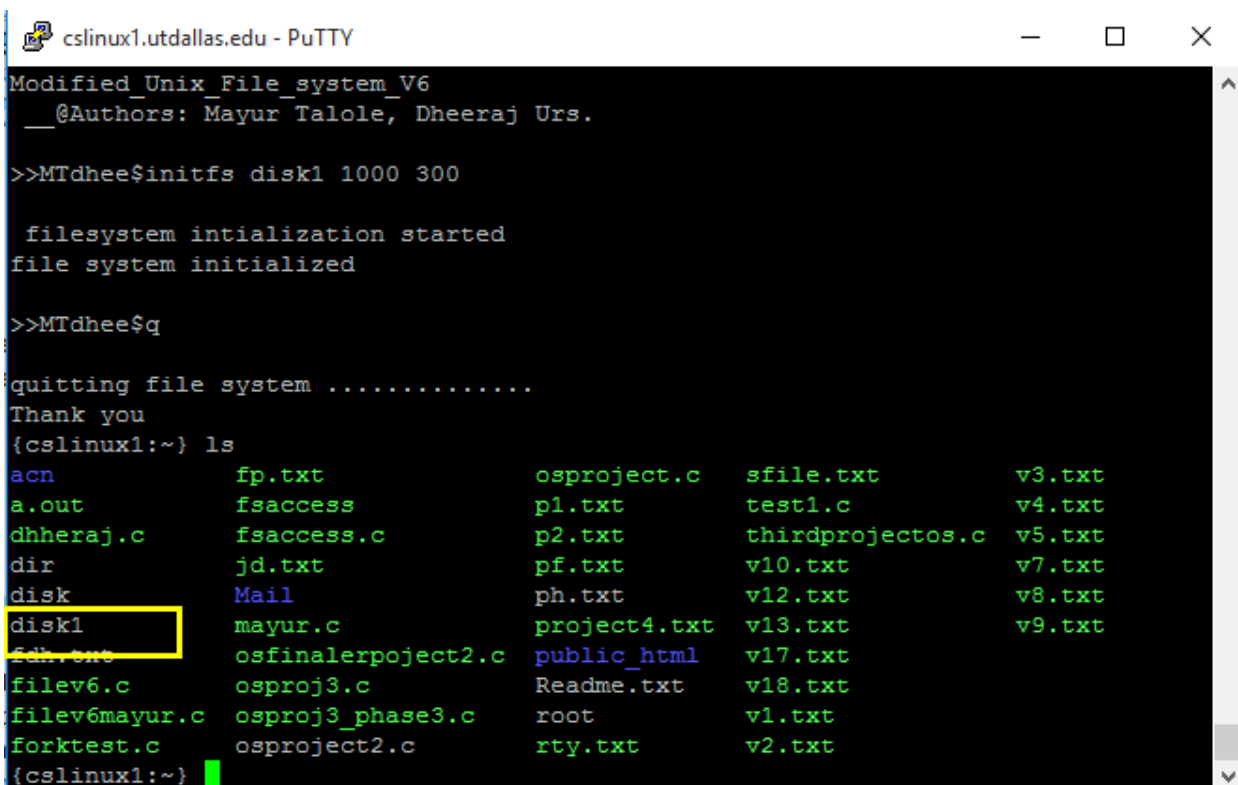
>>MTdhee$initfs disk1 1000 300

  filesystem intialization started
file system initialized

>>MTdhee$
```

The image shows a terminal window titled "cslinux1.utdallas.edu - PuTTY". The prompt is "Modified_Unix_File_system_V6 __@Authors: Mayur Talole, Dheeraj Urs.". The user enters the command ">>MTdhee\$initfs disk1 1000 300". The output shows "filesystem intialization started" and "file system initialized". The prompt returns to ">>MTdhee\$". A yellow box highlights the command and its output.

Disk file system creation shown below:



```
cslinux1.utdallas.edu - PuTTY
Modified_Unix_File_system_V6
__@Authors: Mayur Talole, Dheeraj Urs.

>>MTdhee$initfs disk1 1000 300

  filesystem intialization started
file system initialized

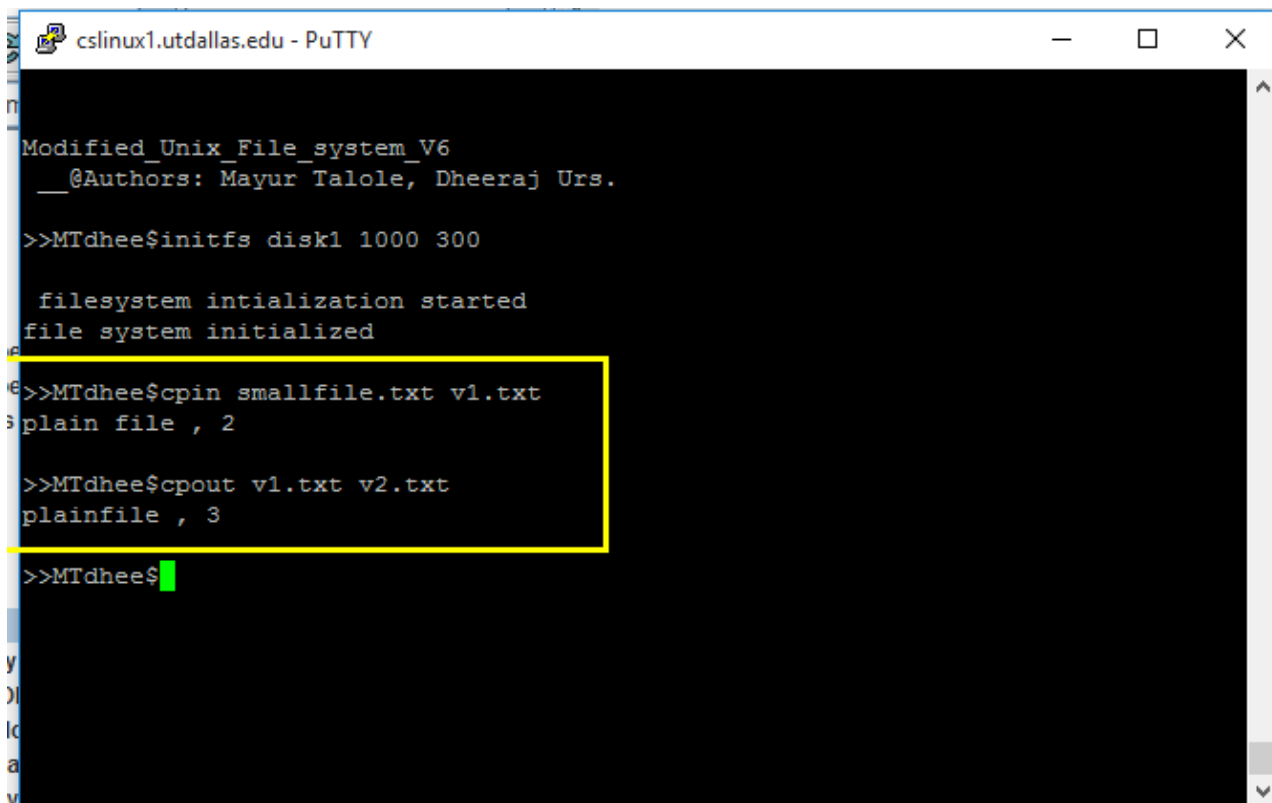
>>MTdhee$q

quitting file system .....
Thank you
{cslinux1:~} ls
acn          fp.txt          osproject.c    sfile.txt      v3.txt
a.out        fsaccess        p1.txt         test1.c         v4.txt
dhheraj.c    fsaccess.c      p2.txt         thirdprojectos.c v5.txt
dir          jd.txt          pf.txt         v10.txt         v7.txt
disk         Mail            ph.txt         v12.txt         v8.txt
disk1        mayur.c         project4.txt   v13.txt         v9.txt
fdh.txt      osfinalerproject2.c public_html    v17.txt
filev6.c     osproj3.c       Readme.txt     v18.txt
filev6mayur.c osproj3_phase3.c root           v1.txt
forktest.c   osproject2.c    rty.txt        v2.txt
{cslinux1:~}
```

The image shows a terminal window titled "cslinux1.utdallas.edu - PuTTY". The prompt is "Modified_Unix_File_system_V6 __@Authors: Mayur Talole, Dheeraj Urs.". The user enters the command ">>MTdhee\$initfs disk1 1000 300". The output shows "filesystem intialization started" and "file system initialized". The user then enters the command ">>MTdhee\$q". The output shows "quitting file system" and "Thank you". The user then enters the command "{cslinux1:~} ls". The output shows a list of files and directories, including "acn", "a.out", "dhheraj.c", "dir", "disk", "disk1", "fdh.txt", "filev6.c", "filev6mayur.c", "forktest.c", "fp.txt", "fsaccess", "fsaccess.c", "jd.txt", "Mail", "mayur.c", "osfinalerproject2.c", "osproj3.c", "osproj3_phase3.c", "osproject2.c", "osproject.c", "p1.txt", "p2.txt", "pf.txt", "ph.txt", "project4.txt", "public_html", "Readme.txt", "root", "rty.txt", "sfile.txt", "test1.c", "thirdprojectos.c", "v1.txt", "v2.txt", "v3.txt", "v4.txt", "v5.txt", "v7.txt", "v8.txt", "v9.txt", "v10.txt", "v12.txt", "v13.txt", "v17.txt", "v18.txt". A yellow box highlights the "disk1" entry in the list.

3. cpin and cpout command

small file



```
cslinux1.utdallas.edu - PuTTY
Modified Unix File system V6
__@Authors: Mayur Talole, Dheeraj Urs.

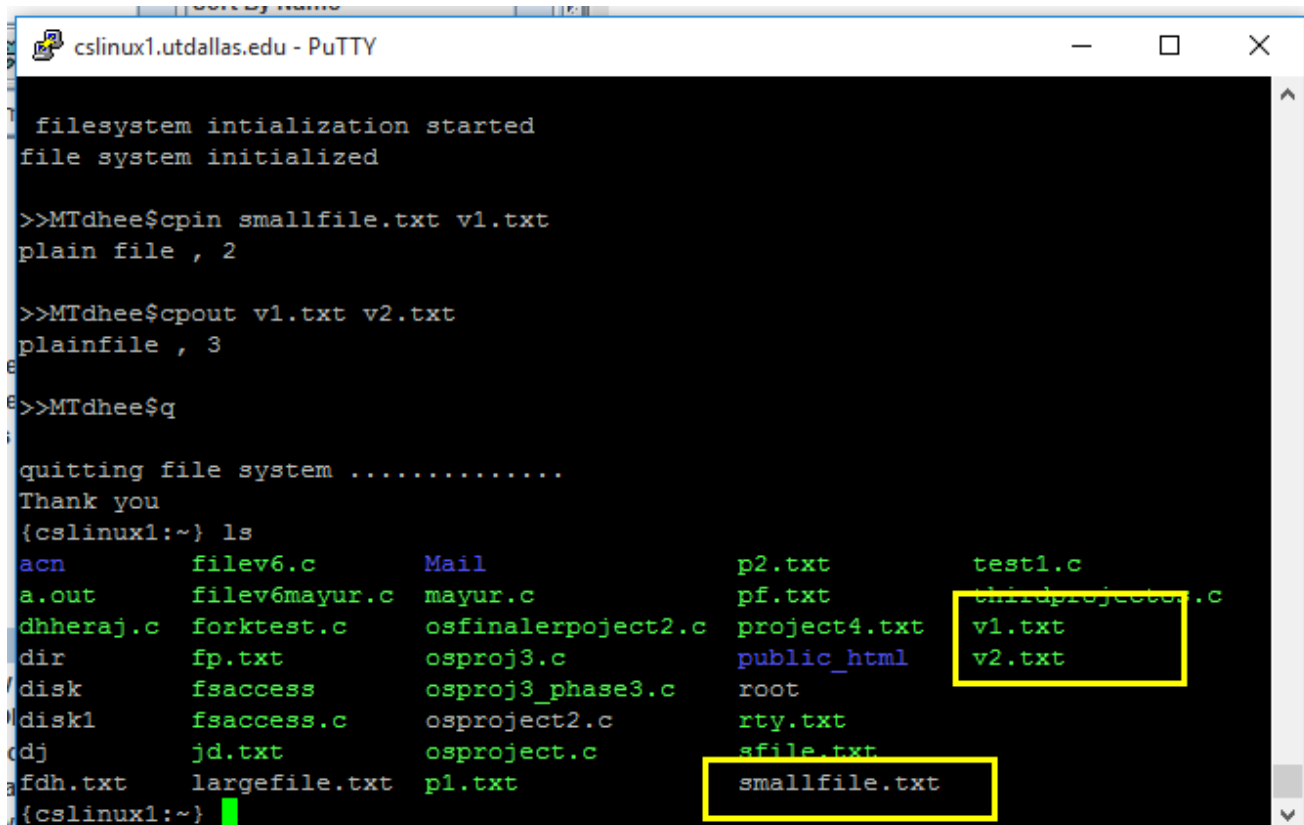
>>MTdhee$initfs disk1 1000 300

filesystem intialization started
file system initialized

>>MTdhee$cpin smallfile.txt v1.txt
plain file , 2

>>MTdhee$cpout v1.txt v2.txt
plainfile , 3

>>MTdhee$
```



```
cslinux1.utdallas.edu - PuTTY

filesystem intialization started
file system initialized

>>MTdhee$cpin smallfile.txt v1.txt
plain file , 2

>>MTdhee$cpout v1.txt v2.txt
plainfile , 3

>>MTdhee$q

quitting file system .....
Thank you
{cslinux1:~} ls
acn      filev6.c      Mail          p2.txt       test1.c
a.out    filev6mayur.c mayur.c       pf.txt       thirdproject.c
dhheraj.c forktest.c    osfinalerpoject2.c project4.txt v1.txt
dir      fp.txt        osproj3.c     public_html  v2.txt
/disk    fsaccess      osproj3_phase3.c root
/disk1   fsaccess.c    osproject2.c  rty.txt
/dj      jd.txt        osproject.c   sfile.txt
fdh.txt  largefile.txt p1.txt        smallfile.txt
{cslinux1:~}
```

4. cpin and cpout for large file

```
cslinux1.utdallas.edu - PuTTY

Modified Unix File system_V6
__@Authors: Mayur Talole, Dheeraj Urs.

>>MTdhee$initfs disk1 1000 300

filesystem intialization started
file system initialized

>>MTdhee$cpin largefile.txt v4.txt
Large file , 2070
19

>>MTdhee$cpout v4.txt v5.txt
largefile , 2317

>>MTdhee$
```

```
cslinux1.utdallas.edu - PuTTY

filesystem intialization started
file system initialized

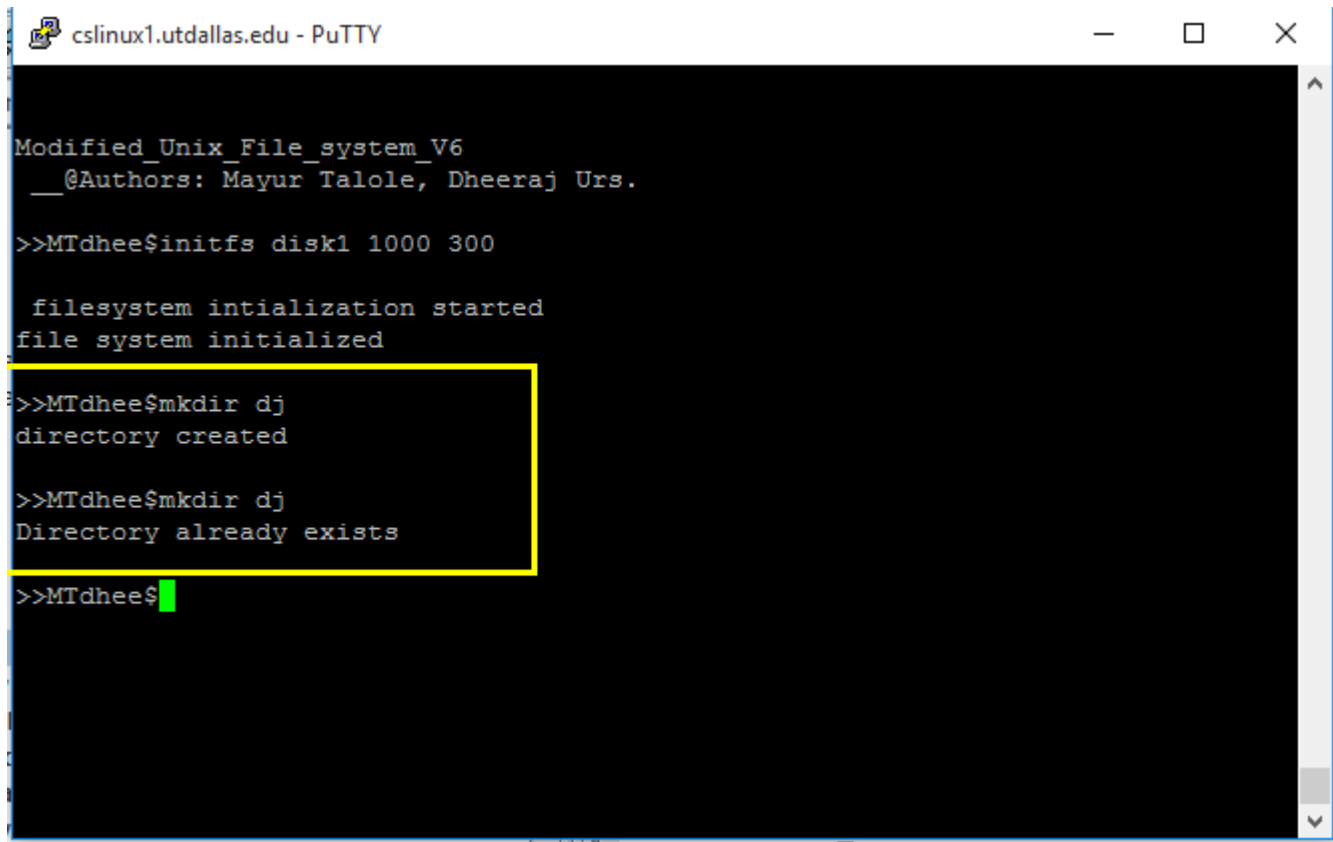
>>MTdhee$cpin smallfile.txt v1.txt
plain file , 2

>>MTdhee$cpout v1.txt v2.txt
plainfile , 3

>>MTdhee$q

quitting file system .....
Thank you
{cslinux1:~} ls
acn          filev6.c      Mail          p2.txt       test1.c
a.out        filev6mayur.c mayur.c        pf.txt       thirdprojectos.c
dhheraj.c    forktest.c    osfinalerpoject2.c project4.txt  v1.txt
dir          fp.txt        osproj3.c      public_html  v2.txt
/disk        fsaccess      osproj3_phase3.c root
0/disk1      fsaccess.c    osproject2.c   rty.txt
cdj          id.txt        osproject.c     sfile.txt
a/fdh.txt    largefile.txt pl.txt         smallfile.txt
{cslinux1:~}
```

5. mkdir command



The screenshot shows a PuTTY terminal window titled 'cslinux1.utdallas.edu - PuTTY'. The terminal output is as follows:

```
Modified_Unix_File_system_V6
__@Authors: Mayur Talole, Dheeraj Urs.

>>MTdhee$initfs disk1 1000 300

  filesystem intialization started
file system initialized

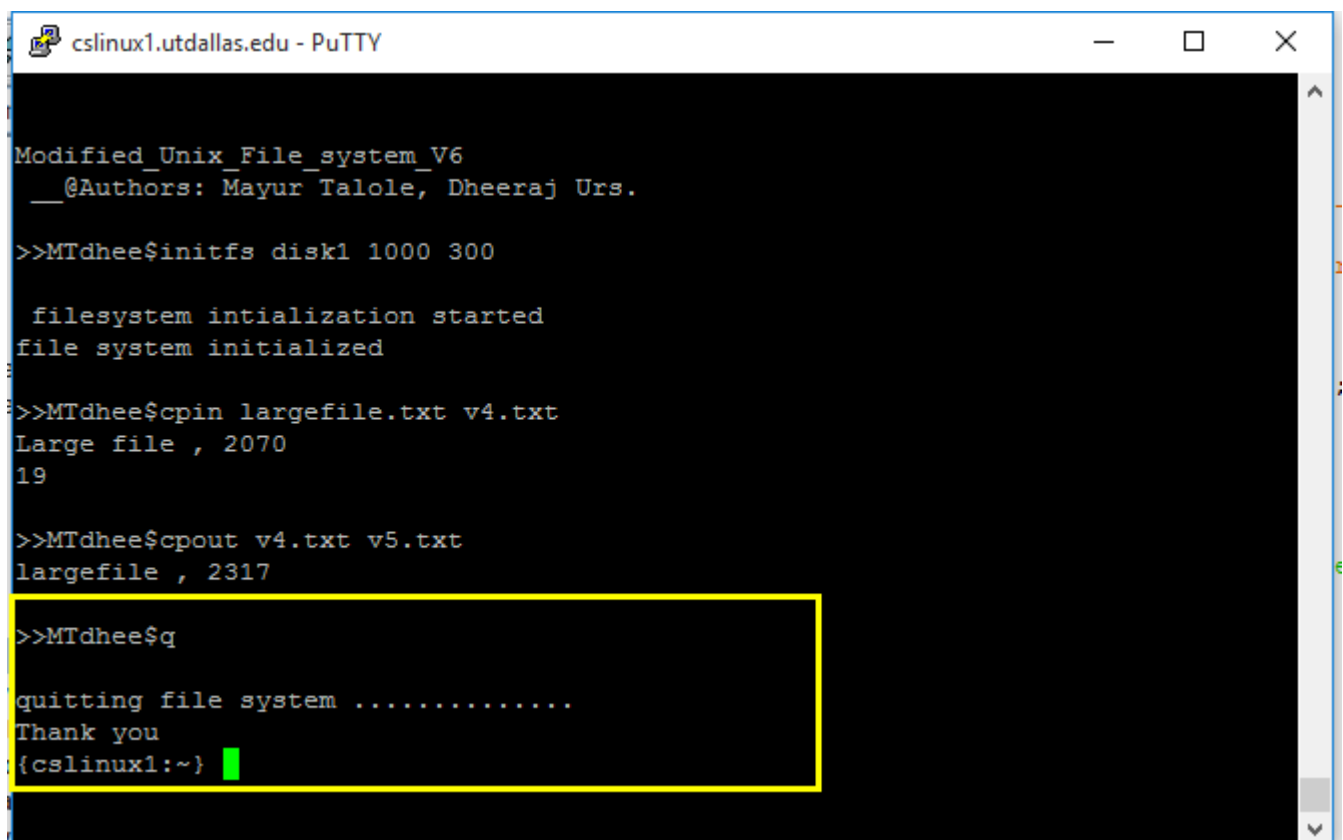
>>MTdhee$mkdir dj
directory created

>>MTdhee$mkdir dj
Directory already exists

>>MTdhee$
```

The commands and their outputs are highlighted with a yellow box.

6. q command



The screenshot shows a PuTTY terminal window titled 'cslinux1.utdallas.edu - PuTTY'. The terminal output is as follows:

```
Modified_Unix_File_system_V6
__@Authors: Mayur Talole, Dheeraj Urs.

>>MTdhee$initfs disk1 1000 300

  filesystem intialization started
file system initialized

>>MTdhee$cpin largefile.txt v4.txt
Large file , 2070
19

>>MTdhee$cpout v4.txt v5.txt
largefile , 2317

>>MTdhee$q

quitting file system .....
Thank you
{cslinux1:~} 
```

The commands and their outputs are highlighted with a yellow box.