Examiner Name: Akshay Chaurasia

Laboratory Number: IST602 Lab2

Date & Time Activity MS-DOS [Running] - Oracle VM VirtualBox Machine View Devices Help Copyright 1988-1993 Microsoft Corp. Installed A20 handler number 2. 64K High Memory Area is available. 10:00 AM Microsoft RAMDrive version 3.07 virtual disk D: Disk size: 4098k Sector size: 512 bytes Allocation unit: 4 sectors Directory entries: 64 Unrecognized command in CONFIG.SYS Error in CONFIG.SYS line 4 C:\>copy \*.\* c: COMMAND.COM File cannot be copied onto itself 0 file(s) copied C: **\>Path=c:** \ : **>**c: Attach the floppy drive C:\>dir a: Volume in drive A is LAB2 Volume Serial Number is 3E67-14F5 Directory of A:N COMMAND COM 54,645 05-31-94 6:22a 2:59p TXT FILE1 14 05-17-16 FILEZ TXT 14 05-17-16 3:03p DIR1 <DIR> 05-17-16 3:32p 4 file(s) 54,673 bytes 1,255,424 bytes free C:\> Format the drive in a

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```
10:04 AM
             C:\>format a:/s/u
             Insert new diskette for drive A:
             and press ENTER when ready...
             Formatting 1.44M
             Format complete.
             System transferred
             Volume label (11 characters, ENTER for none)? Lab 2
                 1,457,664 bytes total disk space
                   200,704 bytes used by system
                 1,256,960 bytes available on disk
                       512 bytes in each allocation unit.
                     2,455 allocation units available on disk.
             Volume Serial Number is 260A-11E6
             Format another (Y/N)?N
             C: \searrow
```

#### Exercise 1

directory listing: dir a: -> 1 file dir a:/a -> 4 files

```
::\>dir a:
 Volume in dri∨e A is LAB 2
Volume Serial Number is 260A-11E6
 Directory of A:\
COMMAND COM 54,645 05-31-94
1 file(s) 54,645 but
                                                                      6:22a
                                         54,645 bytes
1,256,960 bytes free
C:\>dir a:/a
 Volume in drive A is LAB 2
Volume Serial Number is 260A-11E6
 Directory of A:\

    IO
    SYS
    40,774 05-31-94

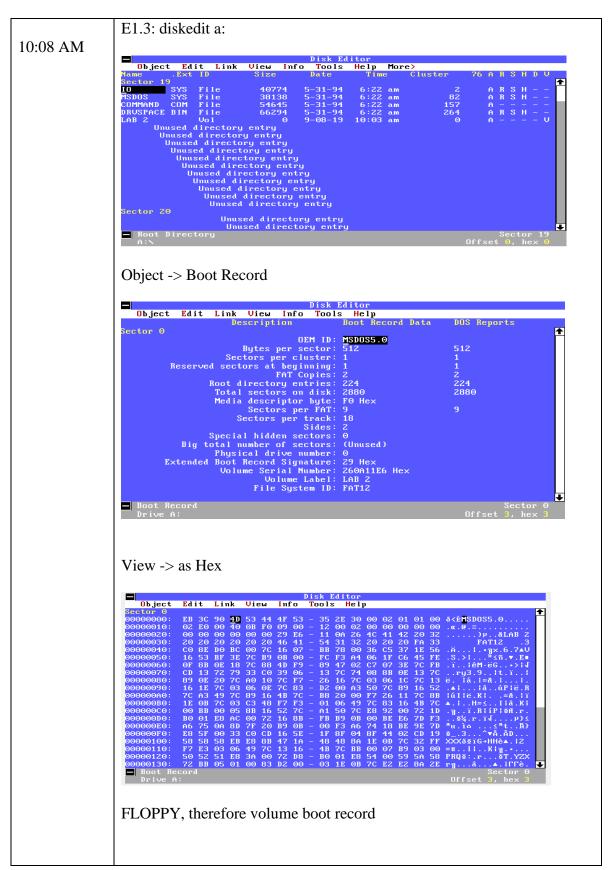
    MSDOS
    SYS
    38,138 05-31-94

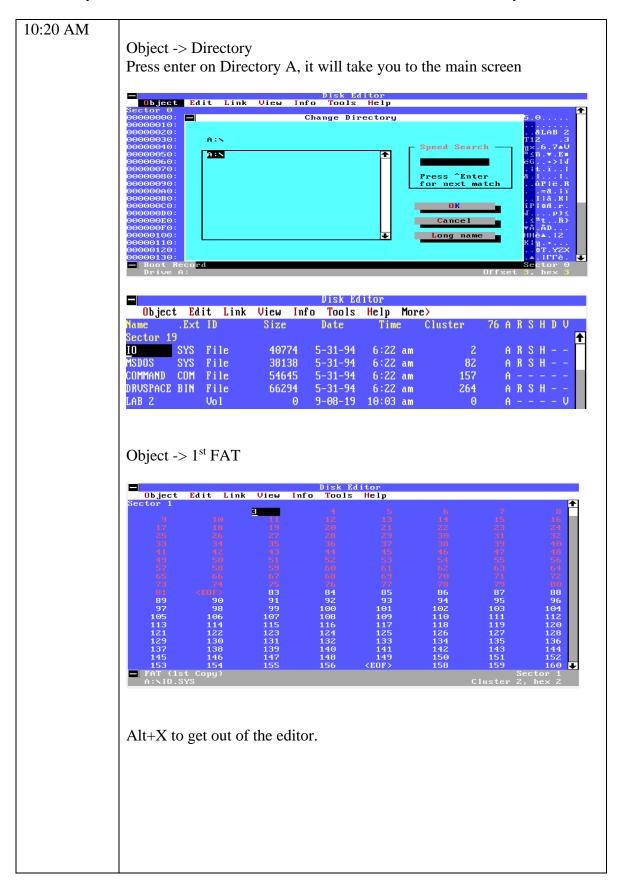
    COMMAND
    COM
    54,645 05-31-94

    DRVSPACE
    BIN
    66,294 05-31-94

                                                                      6:22a
                                                                      6:22a
                                                                      6:22a
                                                                      6:22a
                                          199,851 bytes
1,256,960 bytes free
              4 file(s)
C:\>
```

We can see the system files now.





#### Exercise 2

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10:40 AM

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At the C:\ prompt in MS-DOS, type: copy con a:\file1.txt This is file 1 +Z

At the C:\ prompt in MS-DOS, type: dir a:\ a. A file named file1.txt should appear

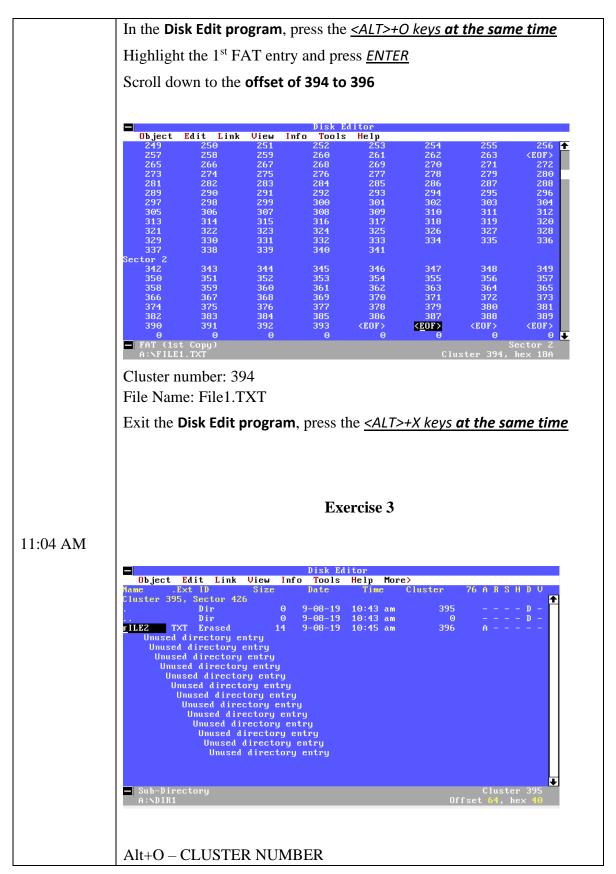
```
C:\>copy con a:\file1.txt
This is file 1^Z
               1 file(s) copied
C:\>dir a:\
 Volume in drive A is LAB 2
Volume Serial Number is 260A-11E6
Directory of A:\
COMMAND COM 54,645 05-31-94 6:22a
FILE1 TXT 14 09-08-19 10:41a
2 file(s) 54,659 bytes
1,256,448 bytes free
```

At the C:\ prompt in MS-DOS, type: md a:\DIR1 At the C:\ prompt in MS-DOS, type:  $dir a:\ a$ . A new directory named DIR1 should appear

```
C:\>md a:\DIR1
C:N>DIR A:N
Volume in drive A is LAB 2
Volume Serial Number is 260A-11E6
Directory of A:\
                   54,645 05-31-94
COMMAND
        COM
                                      6:22a
FILE1
        TXT
                      14 09-08-19 10:41a
                          09-08-19 10:43a
DIR1
             <DIR>
                         54,659 bytes
       3 file(s)
                       1,255,936 bytes free
C:\>
```

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# At the C:\ prompt in MS-DOS, type: copy con a:\DIR1\file2.txt This is 10:47 AM file 2 + ZAt the C:\ prompt in MS-DOS, type: dir a: /s A new file in the directory DIR1 named file2.txt should appear Uolume in dri∨e A is LAB 2 Volume Serial Number is 260A-11E6 54,645 05-31-94 14 09-08-19 09-08-19 OMMAND COM <DIR> 10:43a 3 file(s) 54,659 bytes irectory of A:\DIR1 10:43a 10:43a 09-08-19 09-08-19 butes At the C:\ prompt in MS-DOS, type: diskedit a: Object Edit Link View Info Tools Help More> Name Ext ID Size Date Time Cluster Sector 19 nused directory entry Unused directory entry Root Directory Archive, Read, system file, hide In the Disk Edit program, press the <ALT>+O keys at the same time In the **Disk Edit program**, press the *F4 key*



```
Alt+O – FAT THAT CLUSTER
                  Alt+O - dir - select dir
                  Change the sigma with!
11:10 AM
                  Alt+O – write
                  Alt+O – first fat – scroll down to cluster 396 – u will see "0"
                  CHANGE IT TO <EOF>
                  Alt+O
                  CHECK - WRITE - RESCAN
                  WILL REDIRRCT U TO THE DIRECTORY, SELECT IT
                                                 Disk Editor
                     Object Edit Link View Info Tools Help More>
                  Name .Ext ID
Cluster 395, Sector 426
... Dir 0 9-08-19 10:43 am
... Dir 0 9-08-19 10:43 am
... TYT File 14 9-08-19 10:45 am
                                                                          395
                                                                                  ---D-
                    Disk Editor

Object Edit Link View Info Tools Help More>
me .Ext ID Size Date Time Cl
                     e .Ext ID Size
ster 395, Sector 426
                                                                           395
0
396
                  YOU GOT YOUR FILE BACK
                                                       14 bytes
1,255,424 bytes free
                  Don't change the number of characters in the file name
```

