

ASSIGNMENT NO. 8

AIM :- Write X86 menu driven Assembly Language Program (ALP) to implement OS (DOS) commands TYPE, COPY and DELETE using file operations. User is supposed to provide command line arguments in all cases.

APPARATUS :

- Core 2 duo/i3/i5/i7 - 64bit processor
- OS – ubuntu 32bit/64bit OS
- Assembler used –nasm (the netwide assembler)
- Editor Used – gedit

THEORY :

A) TYPE Command

Allows the user to see the contents of a file. The TYPE command is an internal command that is available in the below all versions of Microsoft operating systems.

Type syntax

Type [drive:][path]filename

Type examples

Type c:\Hello.txt

This would allow you to look at the Hello.txt file if it exists.

B) COPY Command

Allows you to copy one or more files to an alternate location. The copy

command is used to copy a complete file. The COPY command is an internal command that is available in the below all versions of Microsoft operating systems.

Windows XP and earlier syntax

COPY [/A | /B] source [/A | /B] [+ source [/A | /B] [+ ...]] [destination] [/A | /B]] [/V] [/Y | /-Y]

Copy examples

```
copy *.txt c:\
```

In the above copy command we are using a wildcard to copy all .txt files (multiple files) from the current directory to the c:\ root directory.

```
copy *.* a:
```

Copy all files in the current directory to the floppy disk drive.

C) DELETE Command

Del is a command used to delete files from the computer. The DELETE command is an internal command that is available in the below all versions of Microsoft operating systems.

Delete syntax

```
DEL [/P] [/F] [/S] [/Q] [/A[:attributes]] names
```

Deletes one file.

```
del [drive:][path]filename
```

```
delete [drive:][path]filename
```

[drive:][path]filename Specifies the file to delete.

Delete only operates within the system directories of the current Windows installation, removable media, the root directory of any hard disk partition, or the local installation sources.

Del examples

del Hello.txt

Deletes the Hello.txt in the current directory, if the file exists.

Algorithm

1.Accept Filenames from Command line.

2.Display MENU:-

1.TYPE

2.COPY

3.DEL

3.Procedure for TYPE command

4.Procedure for COPE command

5.Procedure for DELETE command

6.EXIT

TYPE Command algorithm

- Open file in read mode using open interrupt.
- Read contents of file using read interrupt.
- Display contents of file using write interrupt.
- Close file using close interrupt

COPY Command algorithm

- Open file in read mode using open interrupt.
- Read contents of file using read interrupt.
- Create another file using read interrupt change only attributes.
- Open another file using open interrupt.
- Write contents of buffer into opened file.
- Close both files using close interrupt.

DELETE Command algorithm

DELETE file using delete interrupt.

CONCLUSION:
