**FIT** **Lab Session 02**

***NED University of Engineering & Technology – Department of Software Engineering***

**Lab Session 02**

**OBJECT**

***Learning some configuration commands and creating Batch files in DOS environment.***

**CONFIGURATION COMMANDS**

* **doskey**to recall previously generated DOS commands, first it should be enabled, which is done by using doskey command.

Prompt on screen: drive:>

Syntax: doskey

Example: c:\>doskey This will install doskey.

Now use UP and DOWN ARROWS to recall commands;

**ESC** clears command line;

**F7** displays command history;

**ALT+F7** clears command history;

**F8** searches command history;

**F9** selects a command by number.

* **date** to set date of the systemPrompt on screen: drive:>

Syntax: date mm/dd/yy (or use ‘-’ in place of ‘/’)

Example: c:\>date 5-16-2011 This will set date to May 16, 2011.

* **time** to set time of the system using the 24 hour clock representationPrompt on screen: drive:>

Syntax: time hh:mm:ss

Example: c:\>time 14:33 This will set current time to 2:33 pm.

* **cls** to clear the screenPrompt on screen: drive:>

Syntax: cls

Example: c:\>cls This will clear the screen and bring the cursor to the top.

* **prompt** to set system promptPrompt on screen: drive:>

Syntax: prompt prompt name

Example: c:\>prompt neduet: This will set the current prompt to neduet:

Result: neduet:

To get back to standard default system prompt, type prompt without parameters.

Use the following switches anywhere in the prompt command to incorporate special information:

* + $tto get the current time
  + $dto get the current date
  + $pto get both the active drive and directory
  + $n to get the active drive only

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* $g to represent the character ‘>’
* $l to represent the character ‘<’
* $b to represent the character ‘|’

Example: c:\>prompt time is $t$g

Result: time is 14:02:10>

* **exit** to exit from DOS shellPrompt on screen: drive:> Syntax: exit

Example: c:\>exit This will close the DOS window

**DOS HELP**

* Type help at the command prompt to display DOS Help table of contents.
* Type help followed by the command name to view information about a command.

For example: **c:\>help copy** This will display information about the ‘copy’ command.

The command name can also be followed by /? to view information about a command.

For example: **c:\>copy/?**This will display information about the *copy* command.

**MAKING BATCH FILES**

A batch program of a batch file is a text file that contains a series of commands that DOS carries out when its name is typed at the command prompt.

AUTOEXEC.BAT file is an example of such files. It is a special batch program that runs every time you start your computer. It starts necessary programs and does settings at the startup. To make a batch file, apply the following steps:

* Open a new text file in an editor (DOS editor, ‘EDIT’ can be used by typing edit command at the command prompt to open this editor).
* Type DOS commands, which are to be included in the batch program in this text file. Each command is typed on a different line.
* Save the file with suitable name provided that its extension is *bat*. For example, *mybatch.bat*

**BATCH FILE COMMANDS**

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* **echo**This command directs DOS whether or not to display the commands in a batch file or not.

Syntax: **echo on/off**

An alternate is to insert **@** sign before the command.

Example: @dir This command, if included in the batch file will prevent dir command from displaying on the command prompt.

* **call** This command calls one batch program from another.Syntax: call [drive:][path]filename

Example: Create a batch file named **one.bat** with command **md.** Then make

another batch file named two.bat with the following two commands: call one.bat

copy/?

From DOS prompt run two.bat

Syntax: two.bat

Result: This will display the directory listing, page wise, and then the help file.

* **pause**This command suspends processing of a batch program and displays the

message:Press any key to continue...

Syntax: pause

Example: Create a batch file named one.bat with command dir/p. Then make another batch file named two.bat with the following two commands:

call one.bat

pause

help

From DOS prompt run two.bat

Syntax: two.bat

Result: This will display the directory listing page wise, then pause and wait for a key from the user and on receiving a key, it will display the help file.

* **rem** This command records comments <remarks> in a batch fileSyntax: rem [comments]

Example: Create a batch file named remark.bat with the following commands: dir/p

rem moving to root directory cd\

From DOS prompt run remark.bat

Syntax: remark.bat

Result: This will display the directory listing page wise, it will then print the remark

“moving to root directory” and will then move to the root directory.

Result: The echo command will be skipped.

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**EXERCISE**

1. Write a command to change the command prompt to ‘Good Morning:\>’. Write another command using ‘$’ to switch back to the standard C prompt (C:\>).

**First Command:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Second Command:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write a command to set the system date to Jan 16th, 2018

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1. Make a batch file called first.bat, which includes commands to display directory listings of drive F, then remove a directory called “new” from the same drive. Do not switch into the drive.

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