

Computer Science

Level 2

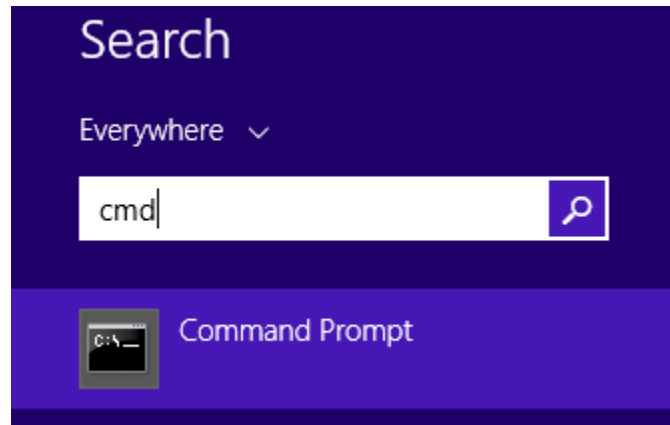
Section #1

Assembly Programming

2020

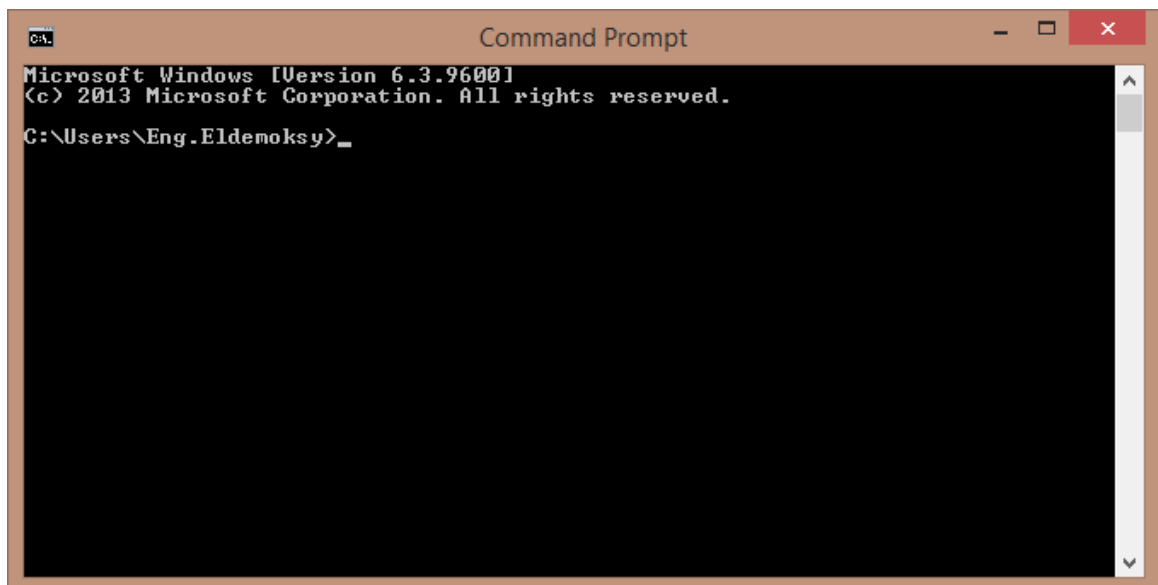
Section #01 -- DOS

- ❖ A program we use: Command Prompt
- ❖ To open Command Prompt:
 - In start menu type "cmd" for search



Q.1 What is Command Prompt?

- Command Prompt is a [command line interpreter](#) application available in most Windows [operating systems](#).
- Used to execute entered [commands](#).
- Also called Windows Command Processor, command shell or cmd prompt.



Task: Describe command line interpreter. Is it case sensitive?

DOS Commands	Use of Command
cls	Clear screen.
Command /?	Tell you the use of command.
date	Display system date and prompts you to type a new date.
date /t	Display only current system date.
Time	Displays system time and prompts you to enter a new time.
time /t	Display only current system time.
DIR	Show the content of a folder.
DIR *.txt	Display list all text files.
DIR *.exe	Display list all exe files.
cd	Deals with directories open and navigate out of them.
cd ..	Go back one-step.
cd \	Go back all steps.
cd filename	Open the file.
format	Format a partition.
Tree	Graphically displays the directory structure of a path.
MD	Make a new directory.
RD	Remove a directory.
DEL	Remove a file.
VOL	Show label and serial number of a drive.
label	Can change label of a drive.
Type	Show content of file (e.g type print.asm)
Echo	Write text in a text file (if not exist create it).
Copy	Copy a file in a directory.
attrib	Display and change file attributes (+h hide, -h unhide, +r read only, -r)
Ver & cmd	Used to show type of operating system.
color	Change background and foreground color of MS-DOS.

Q.2 Write Dos command to achieve each of the following.

- 1) Display model of operating system.
- 2) Delete all files names "MyPro" with any extension.
- 3) Display contents of file a.txt.
- 4) Show digital clock of current time.
- 5) Active (go to) directory (folder) named "asm2019".

```
C:\Users\Eng.Eldenoksy>ver 1
Microsoft Windows [Version 6.1.7601]
C:\Users\Eng.Eldenoksy>del MyPro.* 2
C:\Users\Eng.Eldenoksy>type a.txt 3
Welcome to MET
C:\Users\Eng.Eldenoksy>time /t 4
07:57 PM
C:\Users\Eng.Eldenoksy>cd asm2019 5
C:\Users\Eng.Eldenoksy\asm2019>
```

Q.3 Write Dos command to do each of the following:

- 1) Perform the necessary actions to change the default path of DOS Screen to be "c:\MET10\Folder1 (All folders not exist).
- 2) Write "Welcome to MET" in "c:\MET10\Folder1\a.txt"
- 3) Copy the a.txt in b.txt.

```
C:\Users\Eng.Eldenoksy>cd \
C:\>md MET10
C:\>cd MET10
C:\MET10>md Folder1 1
C:\MET10>cd Folder1
C:\MET10\Folder1>echo welcome to MET > a.txt 2
C:\MET10\Folder1>copy a.txt b.txt 3
1 file(s) copied.
C:\MET10\Folder1>
```

Q.4. Describe each of the following command.

```
C:\MET10\Folder1>attrib +h a.txt 1
C:\MET10\Folder1>attrib -h a.txt 2
C:\MET10\Folder1>attrib +r a.txt 3
C:\MET10\Folder1>attrib -r a.txt 4
C:\MET10\Folder1>_
```

(١) تقوم بتفعيل خاصية إخفاء الملف a.txt

(٢) تقوم بإلغاء تفعيل خاصية إخفاء الملف a.txt

(٣) تقوم بتفعيل خاصية للقراءة فقط للملف a.txt

(٤) تقوم بإلغاء تفعيل خاصية للقراءة فقط للملف

Q.4 Quiz1: Describe each of the following commands.

- 1) cls
- 2) md BCD: BCD
- 3) copy f1.txt f2.txt
- 4) del f1.txt
- 5) cd folder
- 6) color 0a
- 7) dir *.*