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# GRAPHICAL USER INTERFACE CHAPTER 6



### **EVANGELOS C. ZIOULAS (IT TEACHER)**

# **KEY WORDS**



**GRAPHICAL USER INTERFACE COMMAND-LINE INTERFACE** PROMPT CURSOR ICON WINDOW OLE

## **COMMUNICATION ENVIRONMENTS**

Each operating system provides the user a communication environment, which helps him to communicate effectively with computer

(the user can execute commands or monitor the results of his processes)



# **GUI vs COMMAND LINE**



## **Command Line Interface**



### **Command Line Interface**



At the screen of a command line environment, there is always a **prompt** and a **cursor**.

#### **PROMPT**

It suggests the drive or folder which accepts the user's command. e.g. **C:** hard disk **A:** floppy disk drive **D:** compact disk or dvd

#### **CURSOR**

It is an underscore in the screen which suggests the point of text input.





# **Class Activity 1**

Open MS-Dos environment:

Start  $\rightarrow$  Programs  $\rightarrow$  Accessories  $\rightarrow$  Command Prompt

 Execute each of the following commands explaining what they do.

DIR
TIME
DATE
HELP
EXIT

What are the disadvantages that come from the usage of such a communication environment?

### **Graphical User Interface**



#### 28/5/2014

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### GUI of OS Linux (Red Hat)



### Window areas in a GUI



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#### **OpenOffice 2.0**



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An icon in GUI can represent a: File (image, sound, text, video) Device (hard disk, printer) **Application** (Word, Excel, Internet Explorer) Command (Open, Save, Print)









## **MOUSE POINTER**

In a graphical environment the mouse has a crucial role, since with the help of its pointer, the user can be able to choose or activate the elements on the desktop.

The shape of pointer (commonly an arrow) suggests what kind of command we execute.



## **OLE (Object Linking & Embedding)**



## **PARALEL EXECUTION**

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## **Class Activity 2**

- Open together the following applications:
  - Internet Explorer (<u>www.google.com</u>)
  - Paint
  - Microsoft Word 2003
  - Find an image on the Internet
  - Move the image to Paint
  - Mark a specific area of the image
  - Move that area to Word



What features of the GUI provide you the opportunity to execute the above tasks?

## **Class Activity 3**

- Activity 4 Chapter 6 (p. 49)
- Find how the storage devices are illustrated in your computer GUI.
- Go to the Properties of the Hard Disk and refer all the information that are provided.
- What does the Disk Cleanup mean?