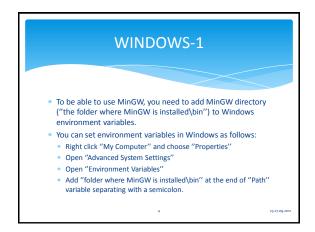
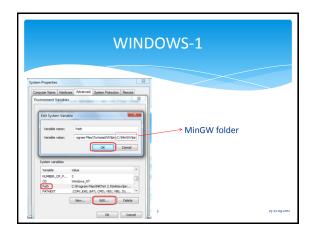
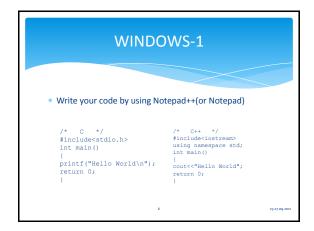


# \* MinGW \* Download and install MinGW development environment from the address given below: http://sourceforge.net/projects/mingw/files/latest/download?source=files







## Gcc and G++ \* In UNIX family operating systems GNU is used to compile and link a C(or C++) program: \* gcc sourcecode.c -o executable\_file.exe \* If source code is written in C++: \* g++ sourcecode.cpp -o executable\_file.exe

### WINDOWS-1

- \* Save your code file as «filename».cpp (If you used C programming language then save your file as «filename».c)
- \* Run **cmd** from start menu (or open **Command Promt** from Accessories).
- \* In Command Prompt, move to the directory where your code file is saved by using **«cd»** command

25:27.09

## WINDOWS-1

### Compilation

- Compiler searches for header files under «/usr/include» folder and library files under «/usr/lib» folder.
- By using -c flag, the sourcecode file can be compiled into an object file without the linking process.
  - \* g++ main.cpp -c -o main.o
- $\ast\,$  I flag: To include another folder for searching header files:
- \* g++ main.cpp –I/usr/X11R/include –o main
- \* L Flag: To include another folder for searching library files:
- \* g++ main.cpp -L/usr/X11R/lib -o main

25-27.6

### WINDOWS-1

### **Compilation and Linking**

- Compilation and linking is done with multiple commands for projects with multiple source code files.
- For example: A project consisting of file1.cpp and file2.cpp can be compiled as follows:
  - \* g++ file1.cpp -c -o file1.o
- \* g++ file2.cpp -c -o file2.o
- \* And linking is done by,
- \* g++ file1.o file1.o -o project

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### WINDOWS-1

- Write the following command in Command Prompt, to compile&link your code and produce directly executable «.exe» program file:
  - \* g++ «filename».cpp -o «desired\_executable\_filename».exe

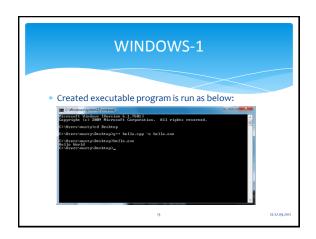
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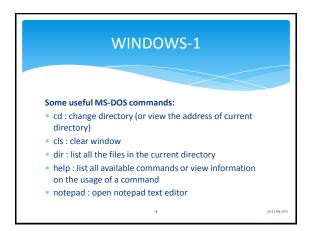
## WINDOWS-1

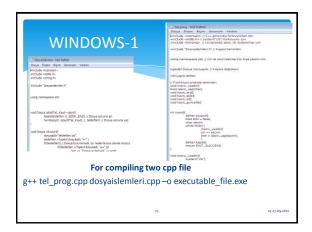
\* Code is compiled as below:

CIWintentprentPromise in C17988.
Copperate C2 3897 Microsoft Corporation. 811 rights received.
Civiliars\*Numity-C4 Buskup
Civiliars\*Numity-Desktop/p+\* hells.cpp -o hells.exe
CiViliars\*Numity-Desktop/p+\* hells.cpp -o hells.exe

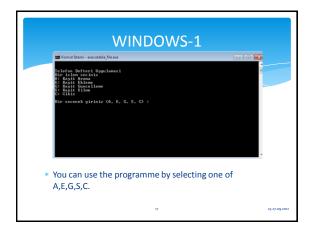
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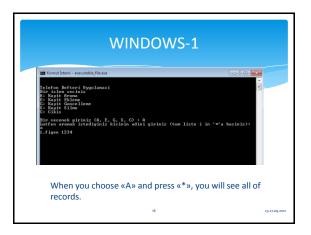


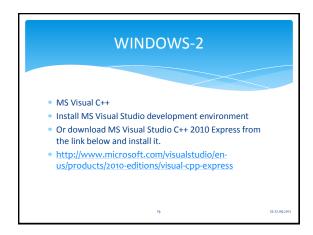




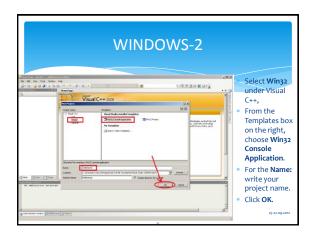




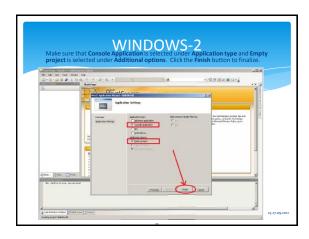


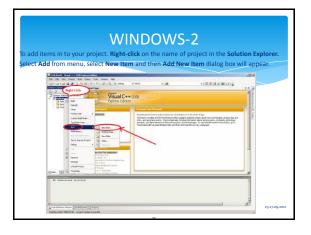


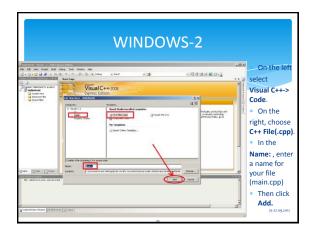


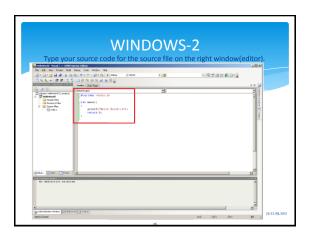


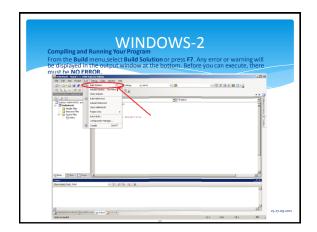


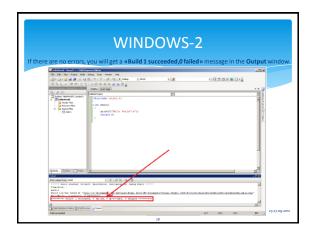


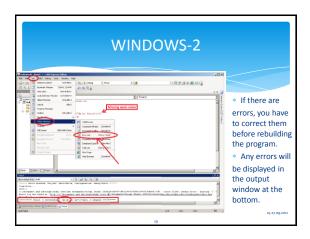


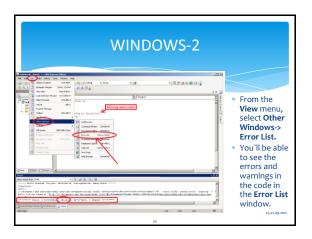


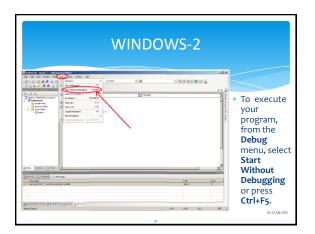






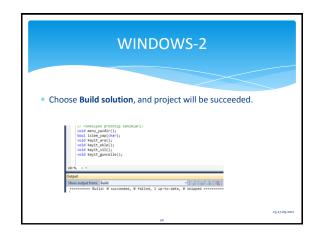


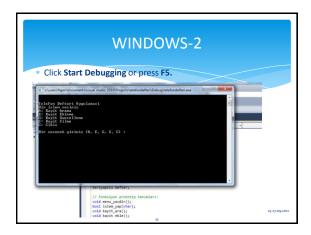


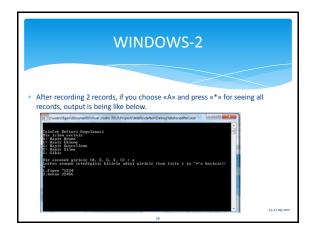












# \* Open a terminal window to compile your code as follows: g++ «filename».cpp –o «desired\_programname» \* Run the executable program as follows: \_/«desired\_programname»

# LINUX Some useful LINUX commands: \* cd : change directory \* Is : list all the files in the current directory \* mkdir : create a new directory \* mv : change name of a file \* pwd : show current directory \* pico : open a simple text editor

## LINUX

- \* You can install Ubuntu to a USB flashdisk and use it directly from there.
- For details, visit the webpage of Lec. H. Turgut Uyar http://web.itu.edu.tr/~uyar/yazilar/dersler-icin-linuxkurulumu/

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