

**Software development with C**

**QUIZGAME: User guide**

**SUBMITTED TO: SUBMITTED BY:**

**Prof. Cristina Ruiz Parth Patel- 101135782**

**Pavan Patel - 101123965**

**Vimil Rathod – 101128083**

**Hitul Shah- 101163945**

**Installing Cygwin, GCC**

**Windows – Installation**

1) Visit **http://www.cygwin.com/.**

2) Look for the section "Installing Cygwin" and select the appropriate version (32 bit or 64 bit) for your PC.

3) Download the setup file chosen. Based on the OS version we will get a file named setup-x86\_64.exe (64-bit installation).

4)

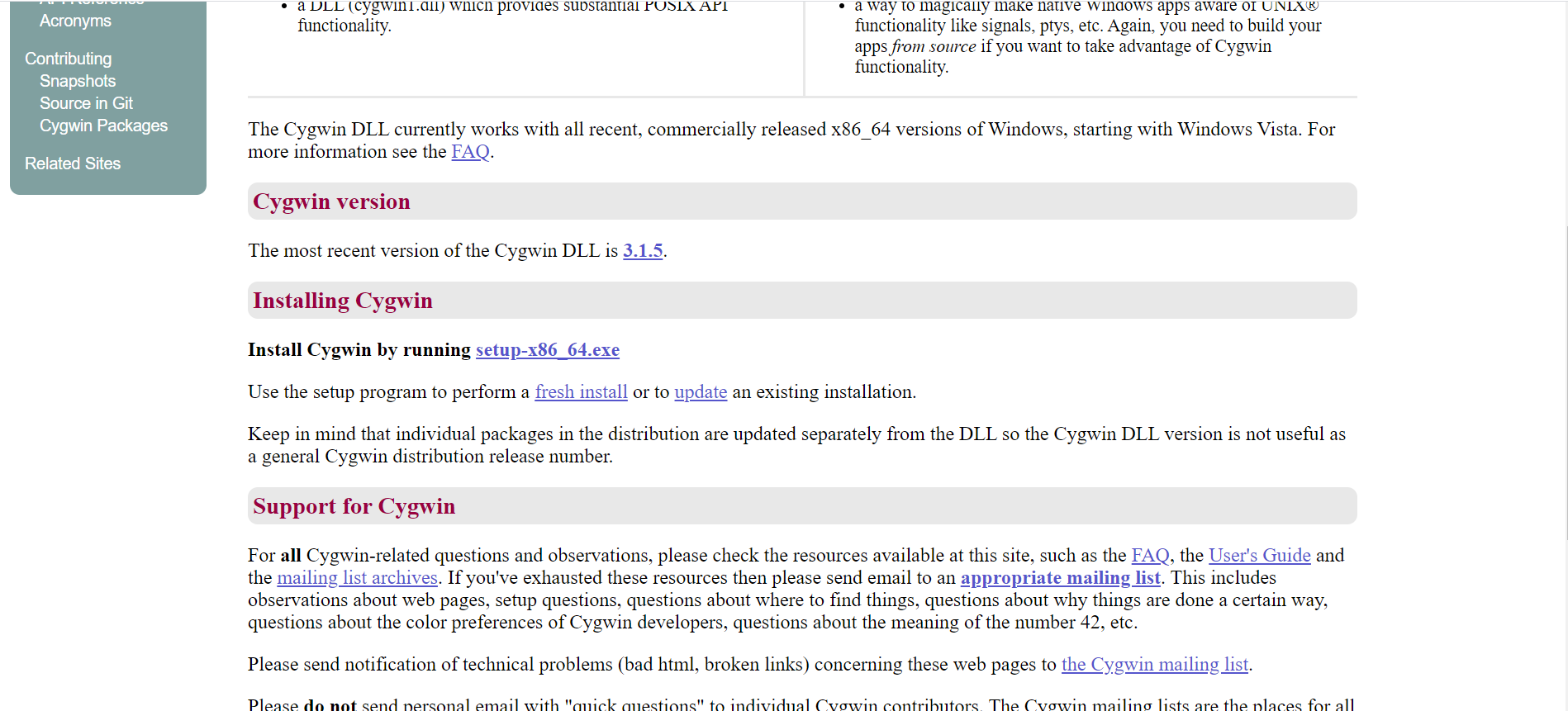


Fig 1: Cygwin page.

5) Execute setup-x86\_64.exe (64-bit installation) or setup-x86.exe (32-bit installation) and click on “Next >”. We will see the following welcome screen.

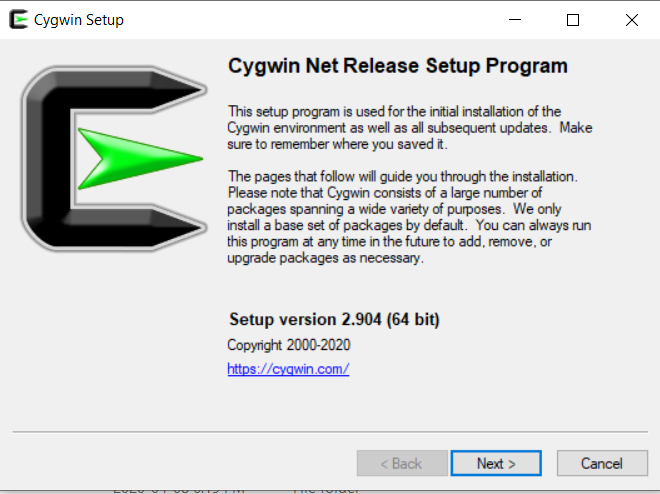


Fig 2: Cygwin Setup Program.

6) Select option to setup from internet and click next.

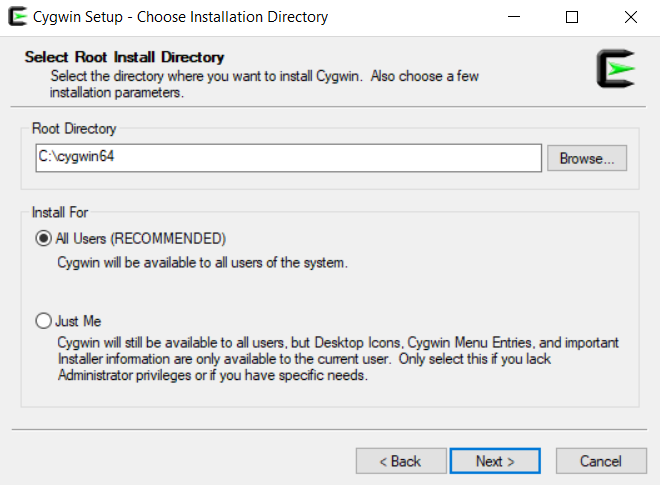


Fig 3: Choose Installation.

7) Choose path to download.

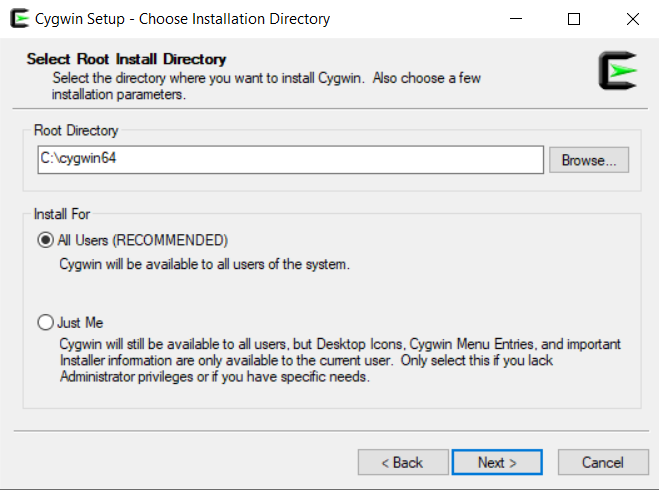


Fig 4: Installation path.

8) Select the option “Use System Proxy Setting” and click on Next.

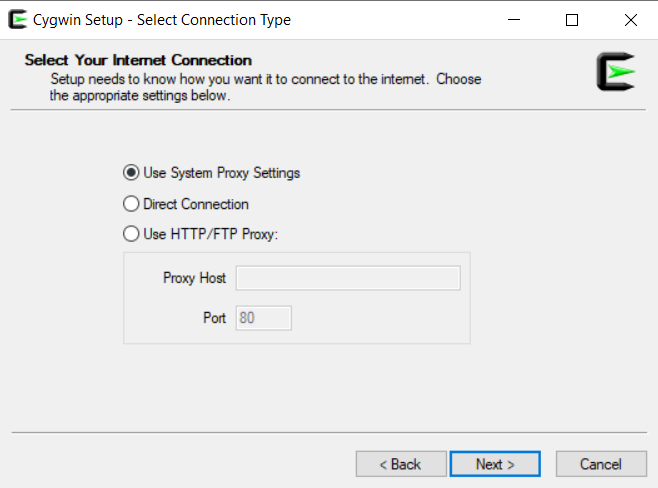


Fig 5: Select Internet connection.

9) Choose download site.

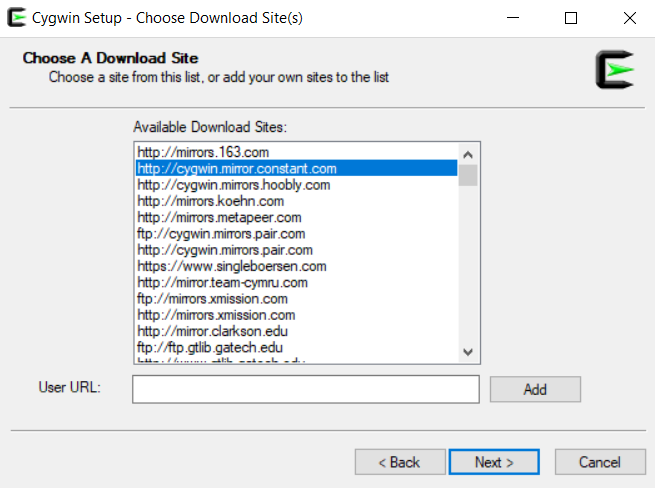


Fig 6: Choose download site.

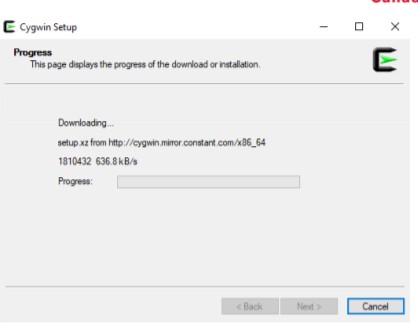
10) Cygwin will start the installation process. The following window will appear.

Fig 7: Downloading.

11) When we get the following window, if we click on “All”, we will see all the existing packages. Do not choose anything; simply click Next leaving everything as default.

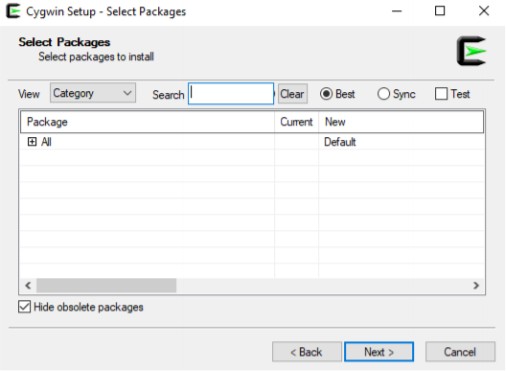
This will install the default tools and libraries.

Fig 8: Select packages.

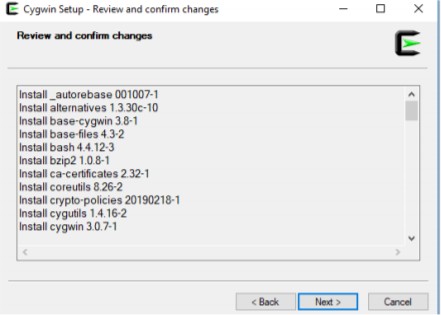
12) The following window will appear. Click on “Next >”

Fig 9: Review and confirm.

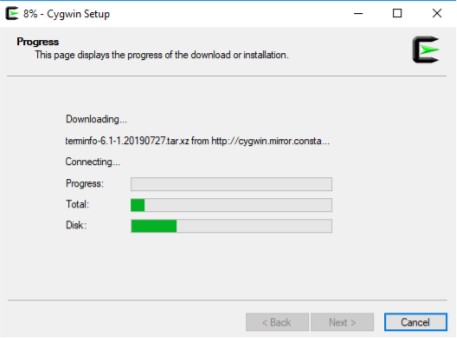
13) The progress window below will appear.

Fig 10: Setup progress.

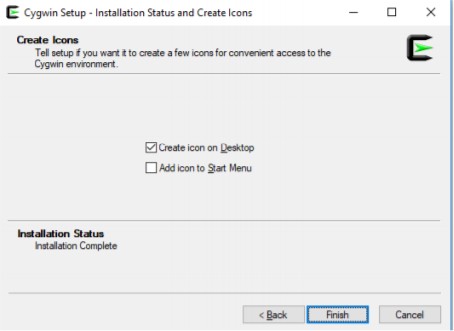
14) Once the installation finishes, select the option “Create icon on Desktop” to easily access the Cygwin terminal. Click on “Finish”

Fig 11 Setup Finish.

15) Once the installation finishes, if we open the cygwin64 folder, it should have the following content.

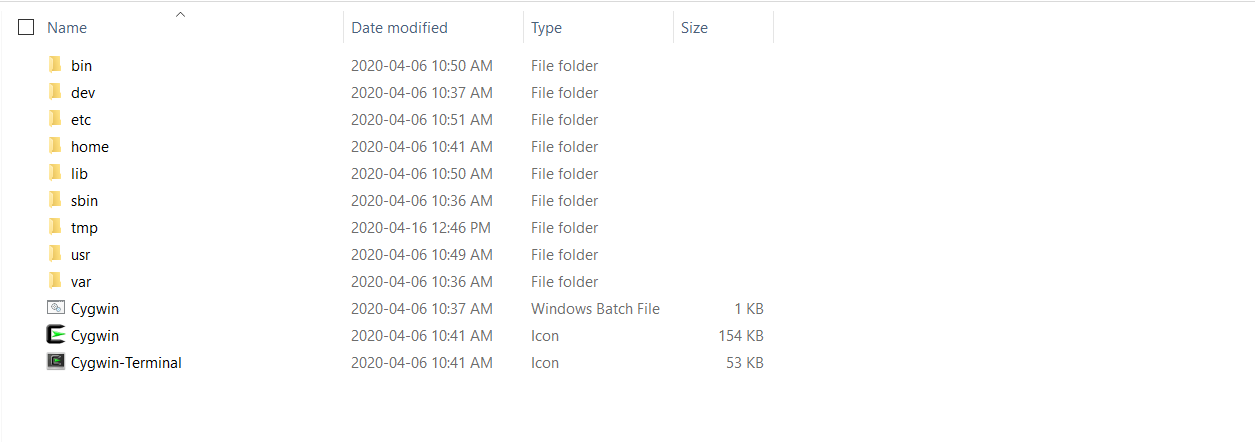


Fig 12: C:\cygwin64

16) Open the windows terminal (Command Prompt; type “cmd” on your Windows search). Type cd c:\cygwin64

For the 64-bit installation, type: Setup-x86\_64.exe -q -P chere -P wget -P gcc-g++ -P make -P diffutils -P libmpfr-devel -P libgmp- devel -P libmpc-devel -P git(For 32-bit installation, replace by setup-x86.exe)

It will install all the necessary libraries and the last version of gcc/g++ compiler.

Fig 13: Command prompt.

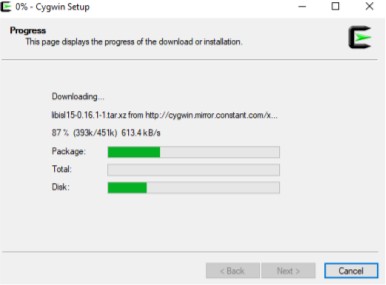
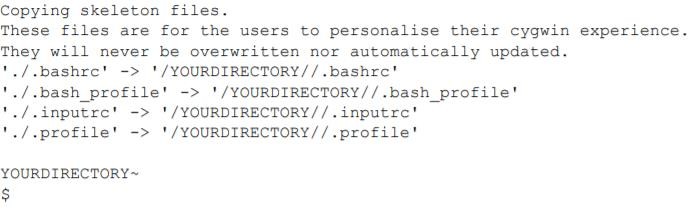
17) A Progress window will pop up while all the required packages along with their dependencies are downloaded and installed, as in the following screen capture.

Fig 14: Setup

The installation process will take several minutes. Once the installation process finishes, the window will disappear automatically, and we can close the Command Prompt.

18) Cygwin on your desktop, in administrator mode (right-click) on the desktop icon and select the action “Run as administrator”; we can also use c:\cygwin64 and run the script “cygwin.bat” in Administrator mode).

The skeleton files will be created.

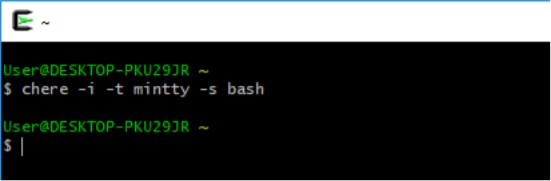


19) Type the following command on the terminal and press “Enter” (in this case, we show an example for user “User” running Cygwin on the Desktop):

wget rawgit.com/transcode-open/apt-cyg/master/apt-cyg

20) Type the following command and press “Enter” install apt-cyg /bin

"apt-cyg" is a command in Cygwin like the "sudo apt-get" command in Linux. It is used to install packages, update them, list them, etc.

21) Type the following command and press “Enter” chere -i -t mintty -s bash

This will allow us to open a Cygwin bash terminal from any folder in your Windows File Explorer or other applications.

22) Type the following command on Cygwin terminal and press “Enter”. apt-cyg install libboost-devel

This installs the Boost Library. A progress message will show the installation.

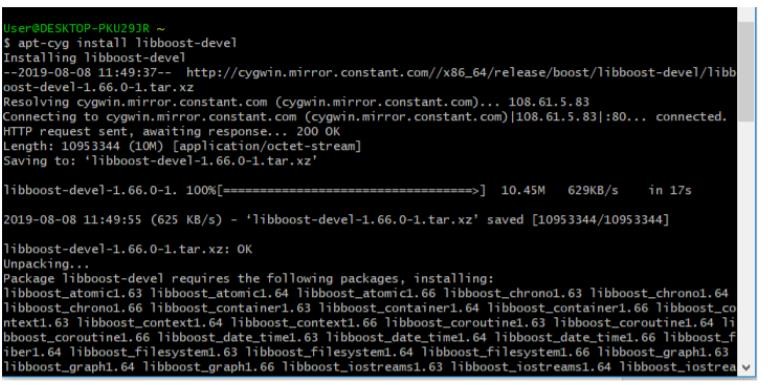


Fig 15: Installing

**Downloading Quizgame**

1) Install Git (User can use Git bash or any other software of choice to clone the project).

2) Create a new folder for the project. Right Click inside the folder and open a git bash here. Right Click +” Git Bash here”.

3) Type the following command in the git terminal:

Git clone <https://github.com/parth4719/Group_J_QUIZGAME>

OR

Go to the link <https://github.com/parth4719/Group_J_QUIZGAME> and click on Clone or Download and download the zip folder of the software.

**Running Quizgame software:**

1) Compiling the project.

a) Open the downloaded folder, open ..\ Group\_J\_QUIZGAME.

b) search for main.exe file

c) or else you can open from src folder, open main.c in any ide and compile code.

2) After you open main.exe, you will see welcome to quiz game screen.

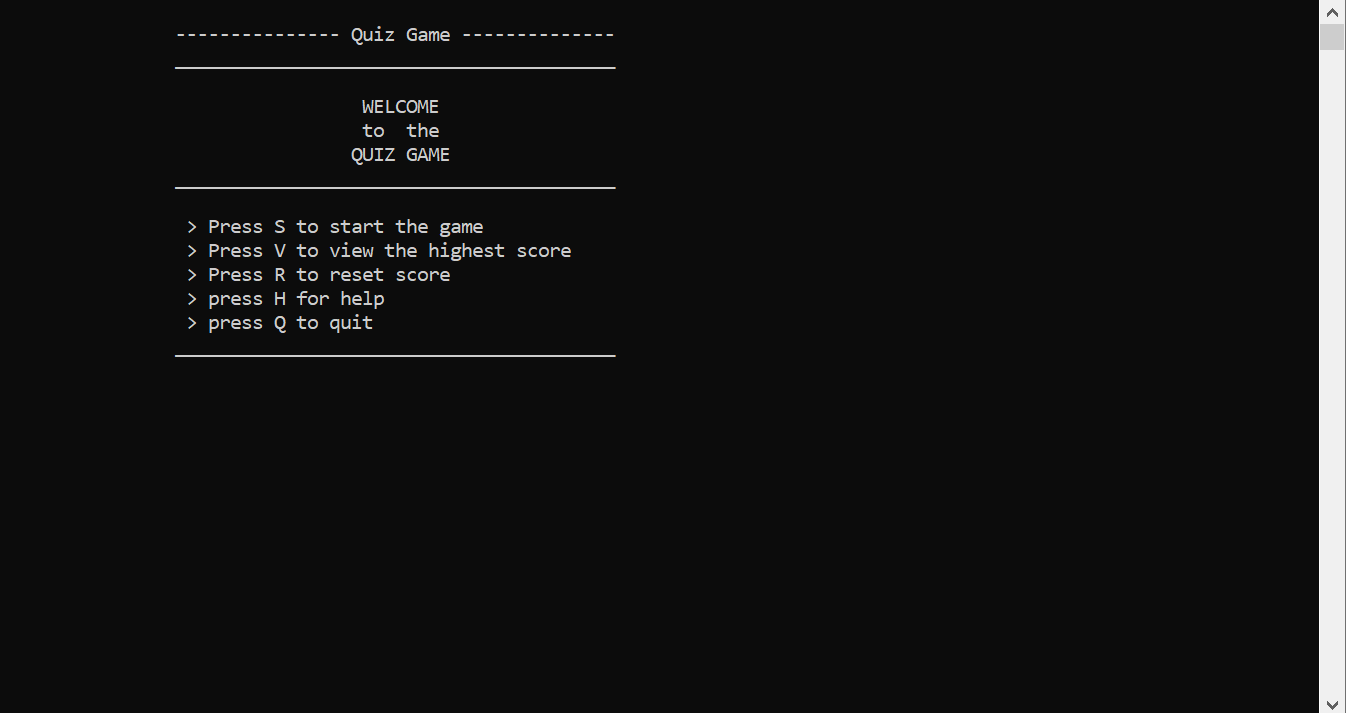


Figure : Welcome to Quiz Game.

The welcome screen has the following options.

1. To “start” the quiz, press “s”.
2. To view the “highest score” press “v”.
3. To “reset score” press “r”.
4. For “help” press “h”.
5. To “quit” press “q”.

If you press wrong the key then it will tell you that you entered the wrong value and please re-enter the correct option.

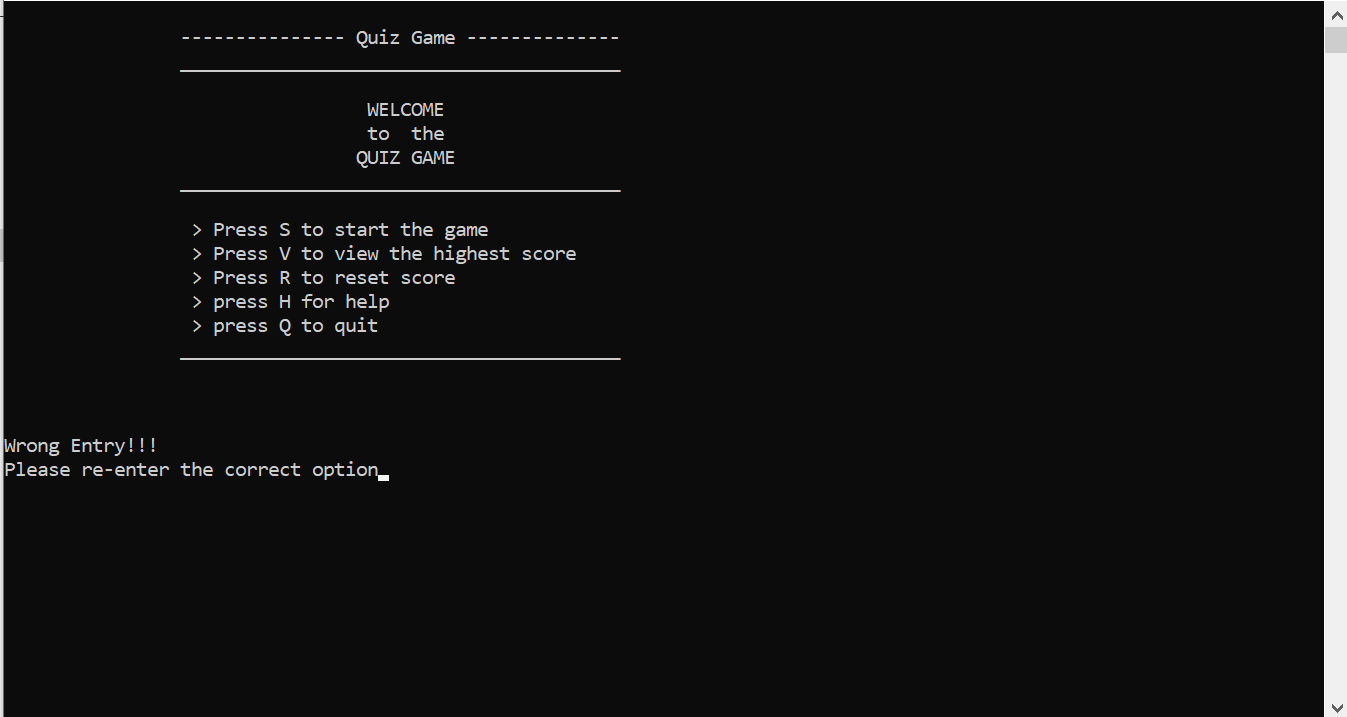


Figure : Wrong entry!

Now, let’s start the quiz by pressing S. It will show you the following window.

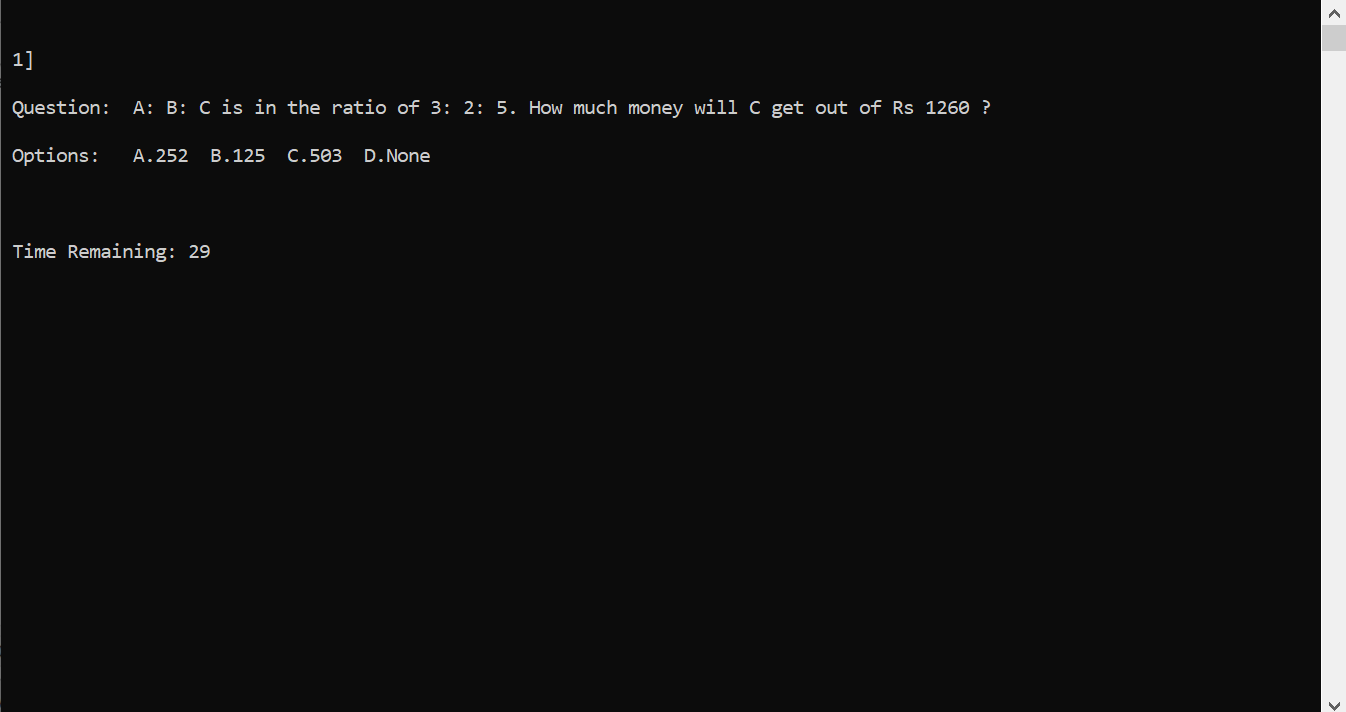


Figure : start the quiz.

It will show the following window after completing the quiz.



Figure : Quiz result.

If you want to check the highest score recorded in the system. Press “v” and it will show you the following window. And it will ask you to press any key to return to the main menu.



Figure : Highest score recorded in the system.

If you want to reset the highest score, press “R”. It will be reinitialized the highest score to ‘zero’. And it will ask you to press any key to return to the main menu.

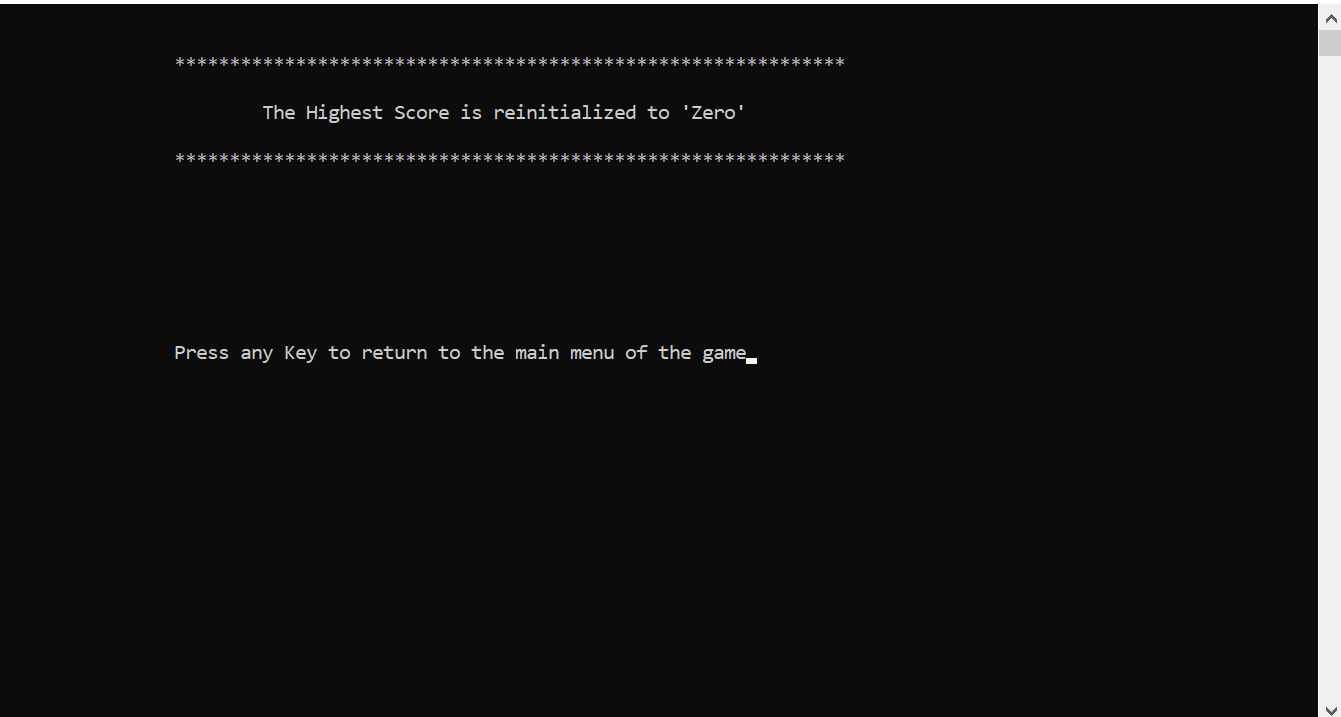


Figure : Reset highest score.

If you need help for quiz rules, press “H”. it will reach you to following window. And it will ask you to press any key to return to the main menu.

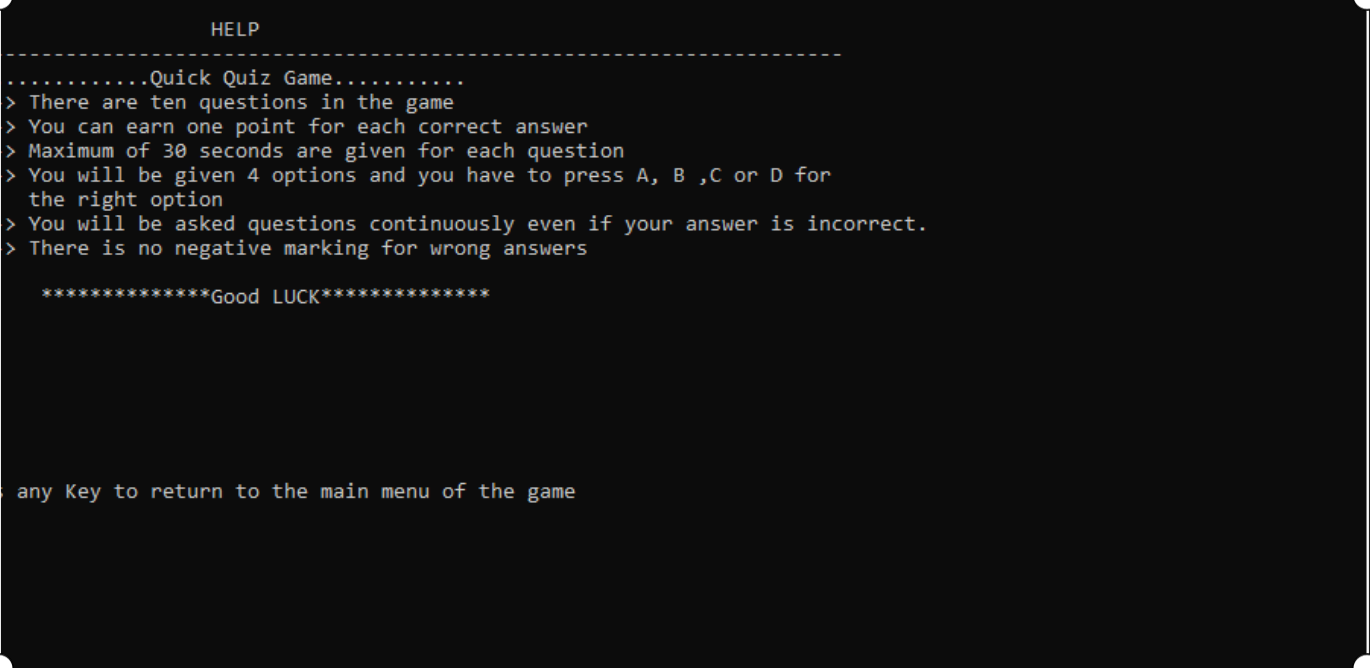


Figure : Help window.

If you want to quit the Quiz game. Press “Q”. It will close the main.exe file.