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User Manual of "SNAKE GAME"

Instructions for CodeBlocks

Step 1: Download the Code::Blocks

In order to install the Code::Blocks IDE as well as the MinGW compiler, you have to visit   http://www.codeblocks.org/downloads/26   and   download   the "codeblocks-20.03mingw-setup.exe" file.
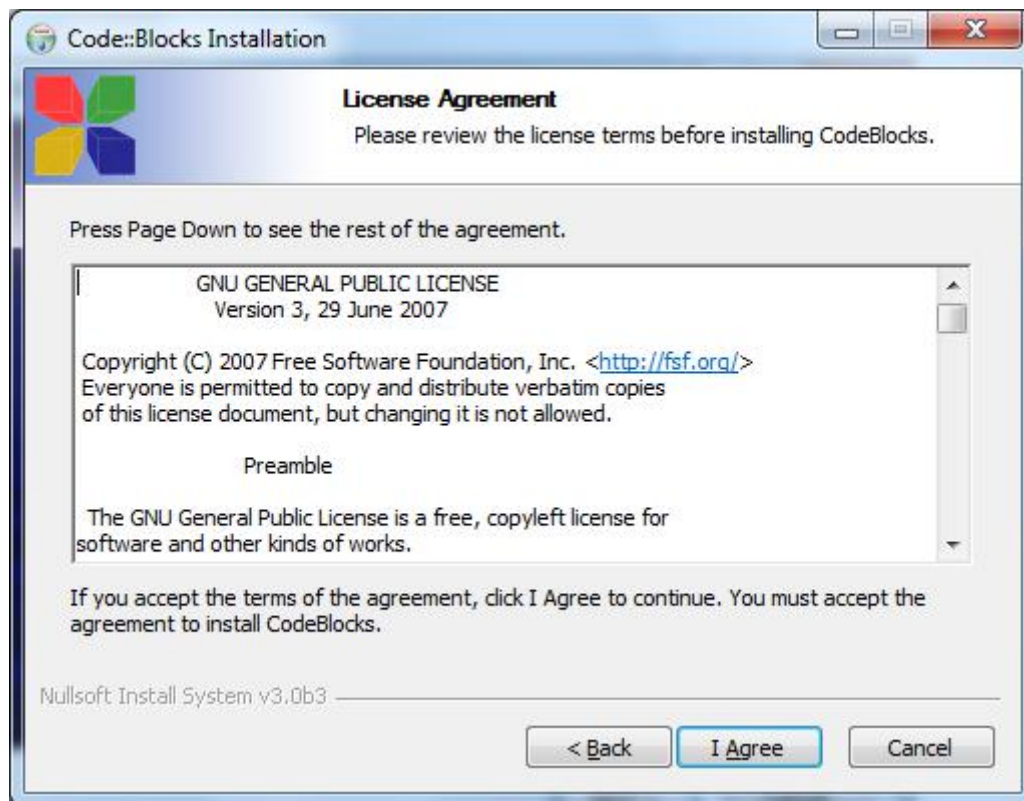Save the file to your hard disk and remember its location. Proceed to the next step in order to continue the installation.
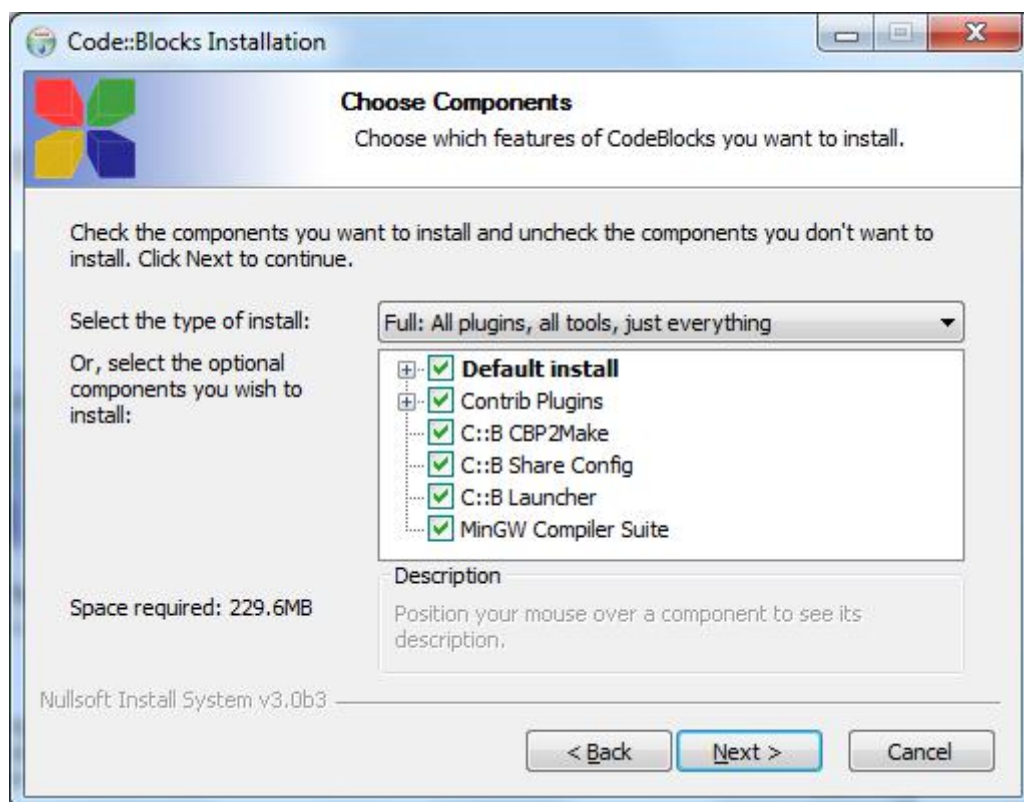
Step 2: Install the Software

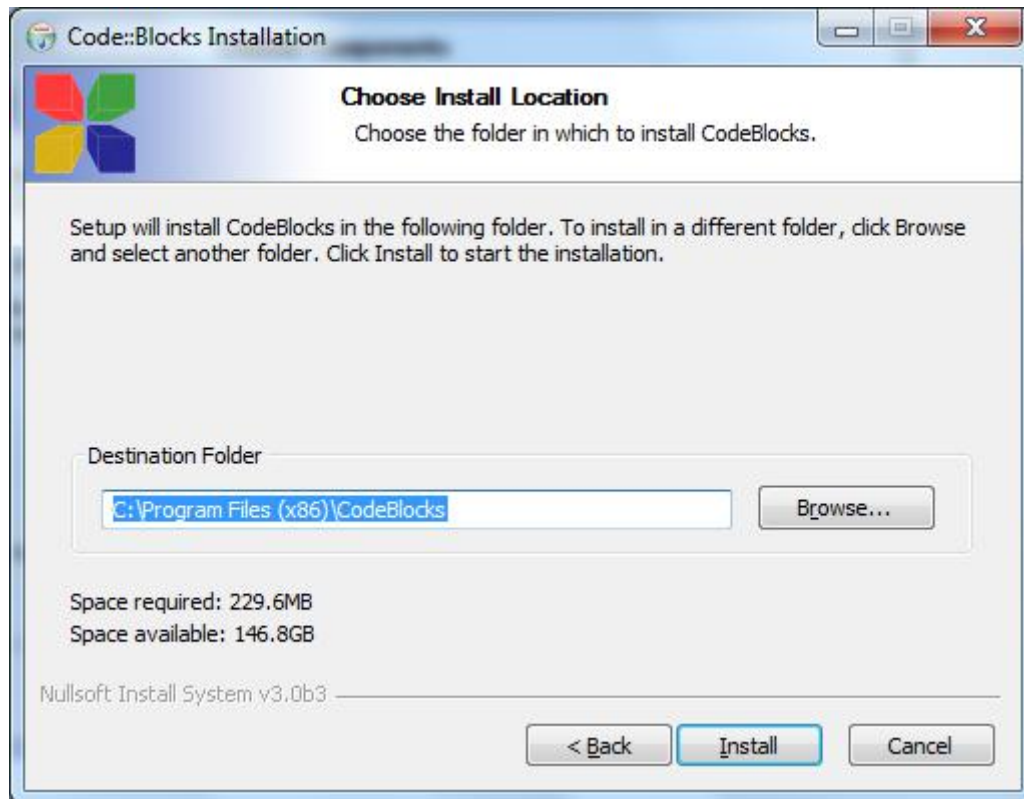Open (click on) Code::Blocks installed file and the Code::Blocks setup will begin for installing as follows:

Click **Next.**

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Select **I Agree.**

Take the default settings by pressing **Next**.

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Take the default folder to install Code::Blocks to and then select **Install.**

Step 3: Downloading Game

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 gitbash there. Right Click +" GitBashHere".

3. Type the following command in the git terminal:
   Git clone https://github.com/patel-soham/Group_H_SnakeGame

OR,

Go to the link https://github.com/patel-soham/Group_H_SnakeGame and click on Clone or Download. The downloading of the zip file of the software will be started.

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Step 4: Running Game

1. Unzip the downloaded file.

2. In the folder there will be a file named as "**snake.exe**" under "**bin**" named folder. Give "**data.txt**" full control, read, write, read & execute and modify permissions from it's file properties. Then run this **snake.exe** file as Administrator. (we need to run the snake.exe file as Administrator, as the file need all kind of access to run the game successfully.)

3. The "Snake Game" interface will pop up like this-

```
/////////////Welcome to the SNAKE GAME\\\\\\\\\\\\\\
                Main Menu
1. Play
2. Instructions
3. Scorecard
4. Exit

    Please enter choice number : _
```

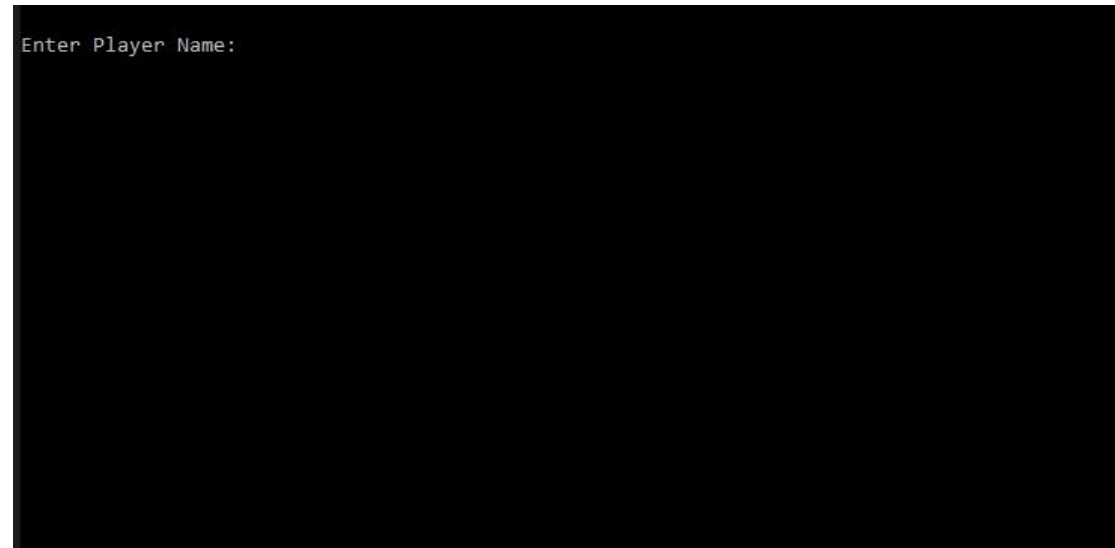4. To get to know about how to play the game, choose option 2 and the instructions will be appeared like this-

```
/////////////Welcome to the SNAKE GAME\\\\\\\\\\\\\\
                Instructions:
-> Use arrow keys to navigate the snake.

-> Food is provided at various locations of the screen which you have to eat.

-> Eating the food increases the length of the snake by 1 element and also the score.

-> Your GAME will finish as you hit the wall or snake's body.

-> Game can be paused in middle by pressing any key and will continued by pressing any key once again

-> Game can be exited by pressing esc.


Press any key to return main menu..._
```
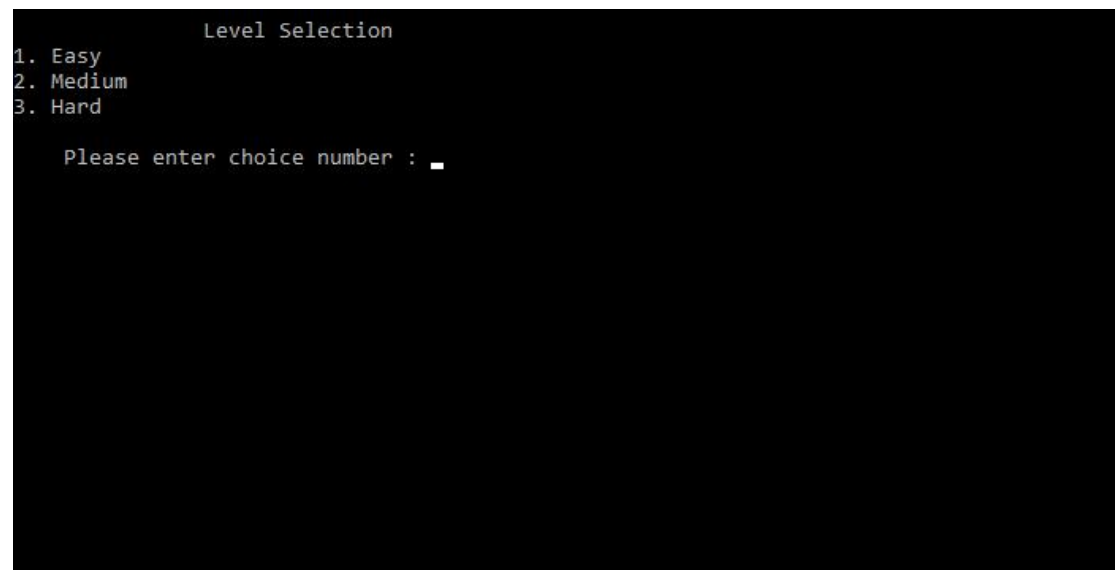
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Then press any key to return to "main menu".

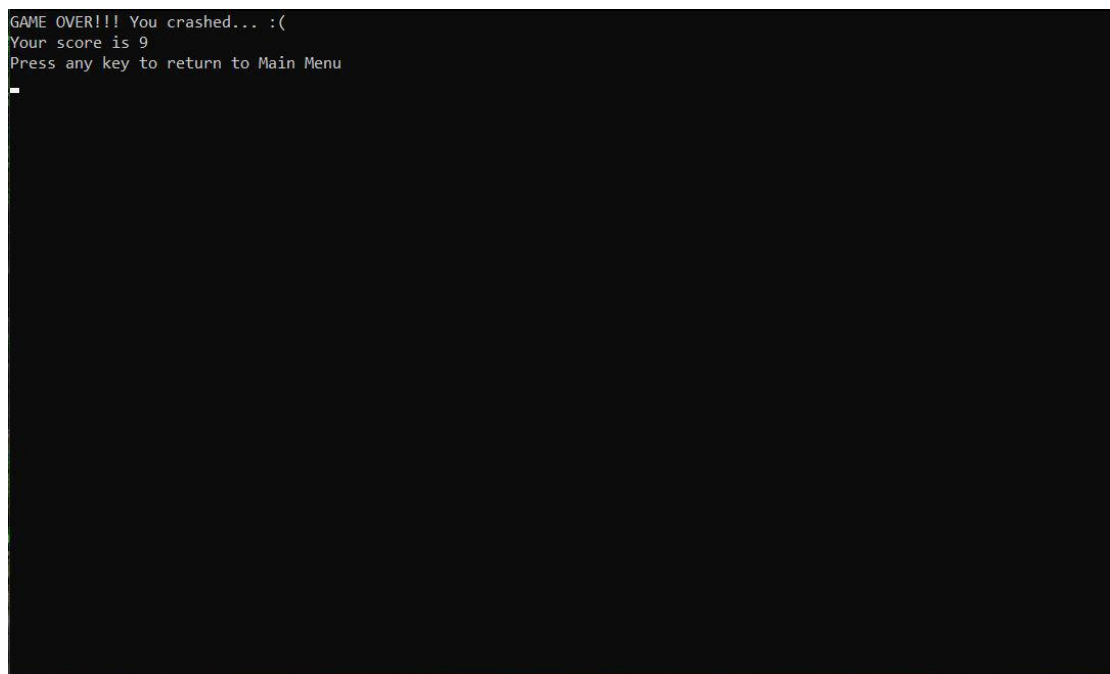5. Choose option 1 to Play the game and this window will pop up. Enter your name to play.


```
Enter Player Name:
```

6. Three level of difficulty will be shown to play.


```
                Level Selection
1. Easy
2. Medium
3. Hard

    Please enter choice number : _
```

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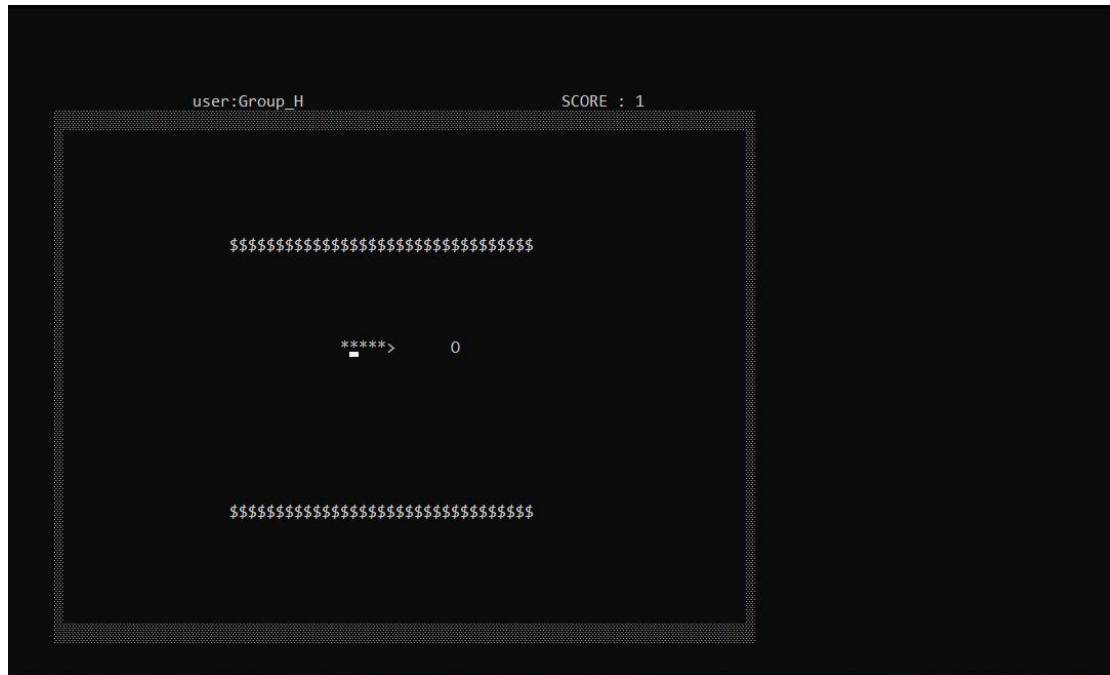7. If you choose option 1 ("Easy" level), this window will pop up for playing.
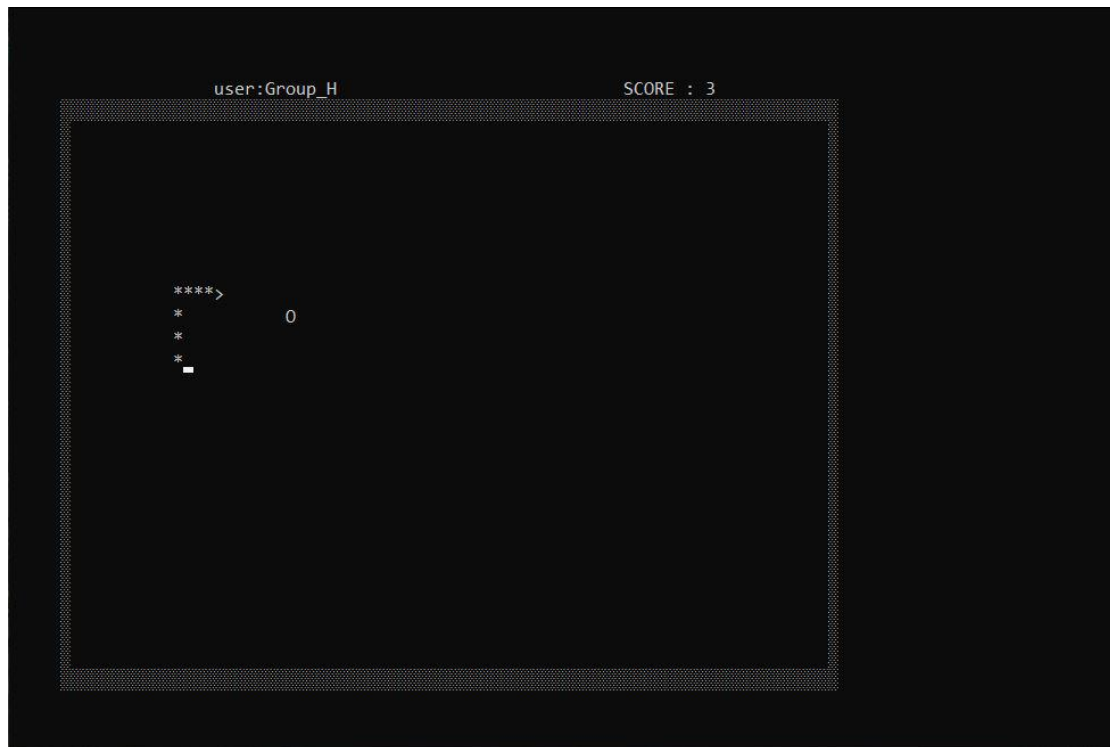
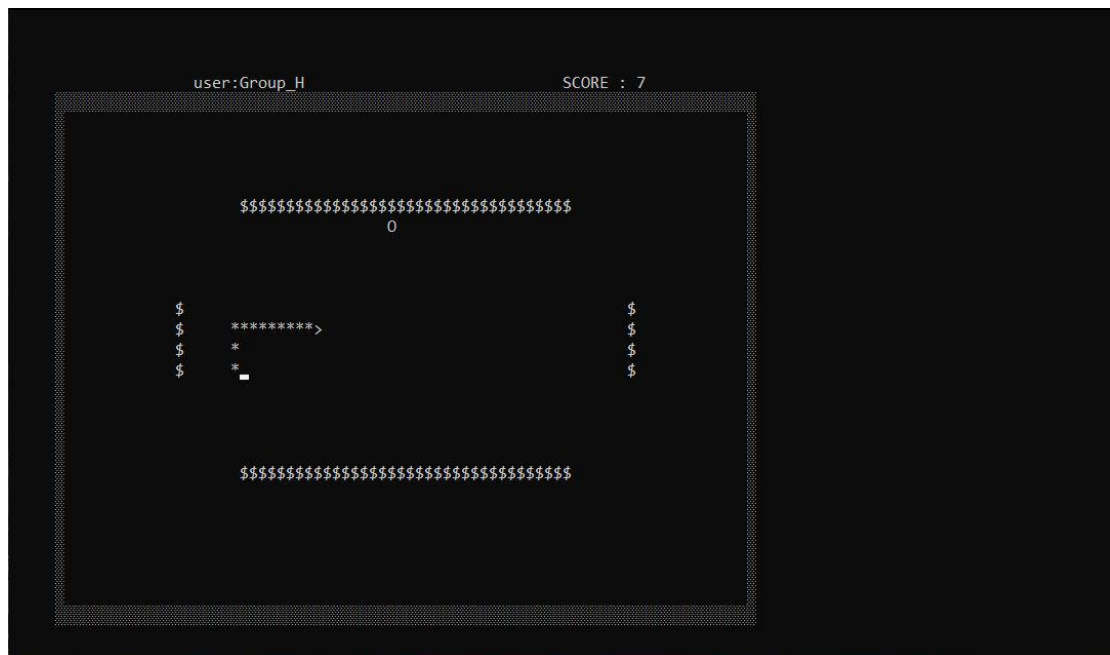8. By any means when the game ends, your score will be printed as like this-

This window will pop up after finishing every difficulty level of the game to show the score.

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9. If you choose option 2 ("Medium" level), this window will pop up for playing.

10. If you choose option 3 ("Hard" level), this window will pop up for playing.

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11. To see the high scores, select option 3 from the "main menu". High scores will appear like this-

12. To exit from the game choose option 4 from the "main menu".

Instructions for Cygwin

Step 1: Download and Install Cygwin

Download and Installation process of cygwin will be found from this link - Cygwin_installtion_Link

Step 2: Downloading Game

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

5. Create a new folder for the project. Right click inside the folder and open a gitbash there. Right Click +" GitBashHere".

6. Type the following command in the git terminal:
   Git clone https://github.com/patel-soham/Group_H_SnakeGame

OR,

Go to the link https://github.com/patel-soham/Group_H_SnakeGame and click on Clone or Download. The downloading of the zip file of the software will be started.

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Step 3: Run the Game

1. Open Cygwin terminal.
Type `cd c:` and press enter.
Then type `cd Group_H_SnakeGame/gcc` then press enter

2. Then type `make runsnake` or `make bnrsnake` or `make buildsnake` and press enter.

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3. The "Snake Game" interface will pop up like this-

4. To get to know about how to play the game, choose option 2 and the instructions will be appeared like this-

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5. From "main menu " choose option 1 to Play the game and this window will pop up. Enter your name to play.

6. Three level of difficulty will be shown to play.

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7. If you choose option 1 ("Easy" level), this window will pop up for playing.

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8. If you choose option 2 ("Medium" level), this window will pop up for playing.

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9. If you choose option 3 ("Hard" level), this window will pop up for playing.

10. By any means when the game ends, your score will be printed as like this-
"GAME OVER!!! You Crashed…:(Your score is …"
This window will pop up after finishing every difficulty level of the game to show the score.

11. To exit from the game choose option 4 from the "main menu".

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