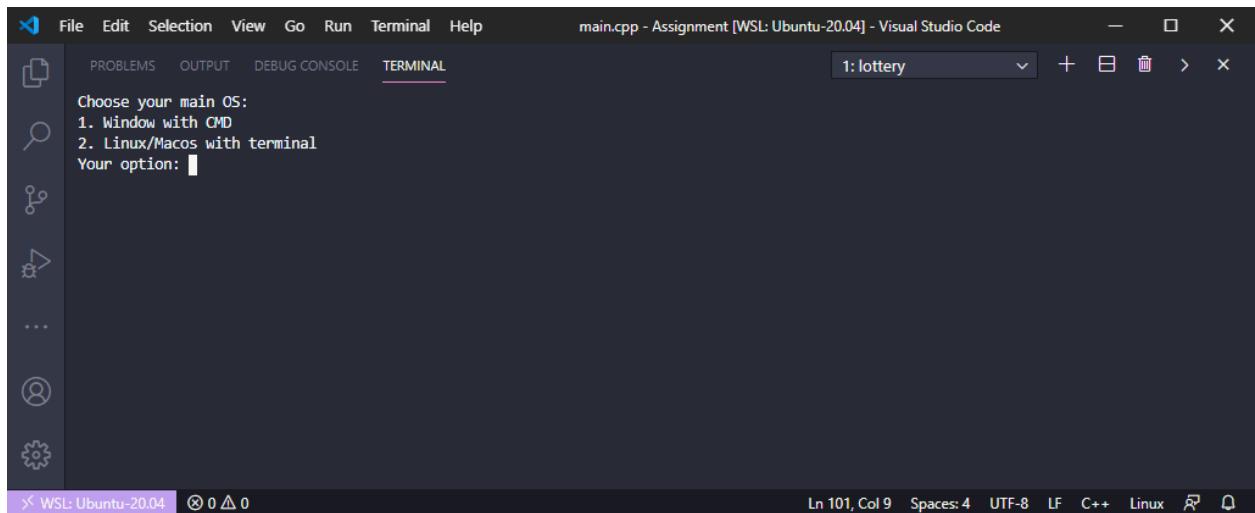


Program's Description

Program is fully made by Minh Dang.

1. Visible limited:

- a. When this program is run by a user, a text-base question appear to ask about what is the main OS that is running this program. The reason why I must to include this function that because CMD on window is limited with UNICODE (UTF-8) digits. Hence, the program look beautifully on terminal (Mac, Linux).



2. Main Function

- There are 6 functions.
 - o Buy a lottery
 - o Show a list of players
 - o Show who win the prizes
 - o Show the rules
 - o Clear all players
 - o Exit the program

3. Tutorial

- After you selected the OS on your device, this menu will appear.

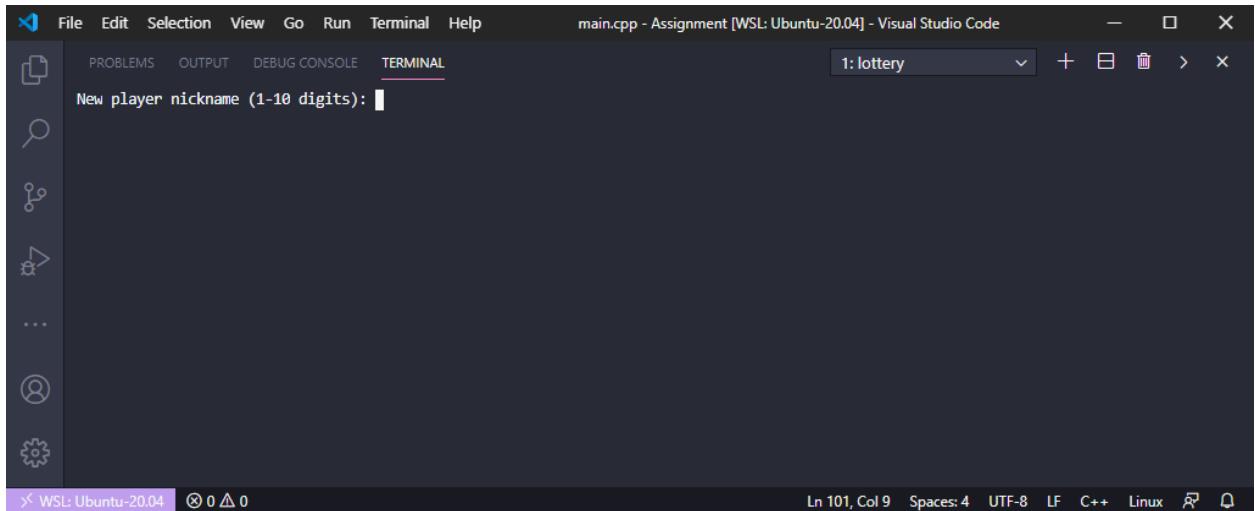


A screenshot of the Visual Studio Code interface, specifically the Terminal tab. The terminal window shows a user interface for a lottery program. It starts with a prompt: "Choose your options below:" followed by a numbered list of six options:

1. Buy a lottery
2. Show a list of players
3. Show who win the prizes
4. Show the rules
5. Clear all players
6. Exit the program

Below the list, there is a placeholder text "Your option: " followed by a cursor. The status bar at the bottom of the terminal window indicates "WSL: Ubuntu-20.04" and provides standard terminal metrics like "Ln 101, Col 9" and "Spaces: 4".

- Press 1 and press enter. After that, the program will ask about the buyer name.



A screenshot of the Visual Studio Code interface, specifically the Terminal tab. The terminal window shows a user interface for a lottery program. It starts with a prompt: "New player nickname (1-10 digits): " followed by a cursor. The status bar at the bottom of the terminal window indicates "WSL: Ubuntu-20.04" and provides standard terminal metrics like "Ln 101, Col 9" and "Spaces: 4".

- Type the name you want, and press enter, the program will give you your lottery. If you want more lotteries just press y or Y for buying more lottery. For exit and back to the menu press n or N.

```

File Edit Selection View Go Run Terminal Help
main.cpp - Assignment [WSL: Ubuntu-20.04] - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1: lottery
New player nickname (1-10 digits): Player 1
///////////////////////////////
// ||Minh Dang Lottery Company|| //
// Buyer:Player 1 //
// |01||02||14||22||27||30||34|-|10||17||37| //
// //
// ///////////////////////////////
...
Do you want to buy more lottery (y/n): 
```

WSL: Ubuntu-20.04

Ln 101, Col 9 Spaces: 4 UTF-8 LF C++ Linux ⚙️ ⚙️

- For checking list of players, press 2.

```

File Edit Selection View Go Run Terminal Help
main.cpp - Assignment [WSL: Ubuntu-20.04] - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1: lottery
Now: 3 players
///////////////////////////////
// ||Minh Dang Lottery Company|| //
// Buyer:Player 1 //
// |01||02||14||22||27||30||34|-|10||17||37| //
// //
// ///////////////////////////////
///////////////////////////////
// ||Minh Dang Lottery Company|| //
// Buyer:Player 2 //
// |03||08||09||13||23||24||27|-|01||05||21| //
// //
// ///////////////////////////////
///////////////////////////////
// ||Minh Dang Lottery Company|| //
// Buyer:Player 3 //
// |01||05||08||11||31||35||36|-|04||15||24| //
// //
// ///////////////////////////////
...
Press enter key to continue. 
```

WSL: Ubuntu-20.04

Ln 101, Col 9 Spaces: 4 UTF-8 LF C++ Linux ⚙️ ⚙️

- For seeing the rules, press 4.

A screenshot of a terminal window titled "main.cpp - Assignment [WSL: Ubuntu...]" in Visual Studio Code. The terminal tab is selected. The output shows two sections of lottery rules:

-Numbers Only-		-With Bonus Number-	
3:	10.000\$	3+1:	12.000\$
4:	12.000\$	5+1:	15.000\$
5:	20.000\$	5+1:	23.000\$
6:	25.000\$	6+1:	30.000\$
7:	50.000\$	7+1:	99.999\$

Press enter key to continue.

WSL: Ubuntu-20.04

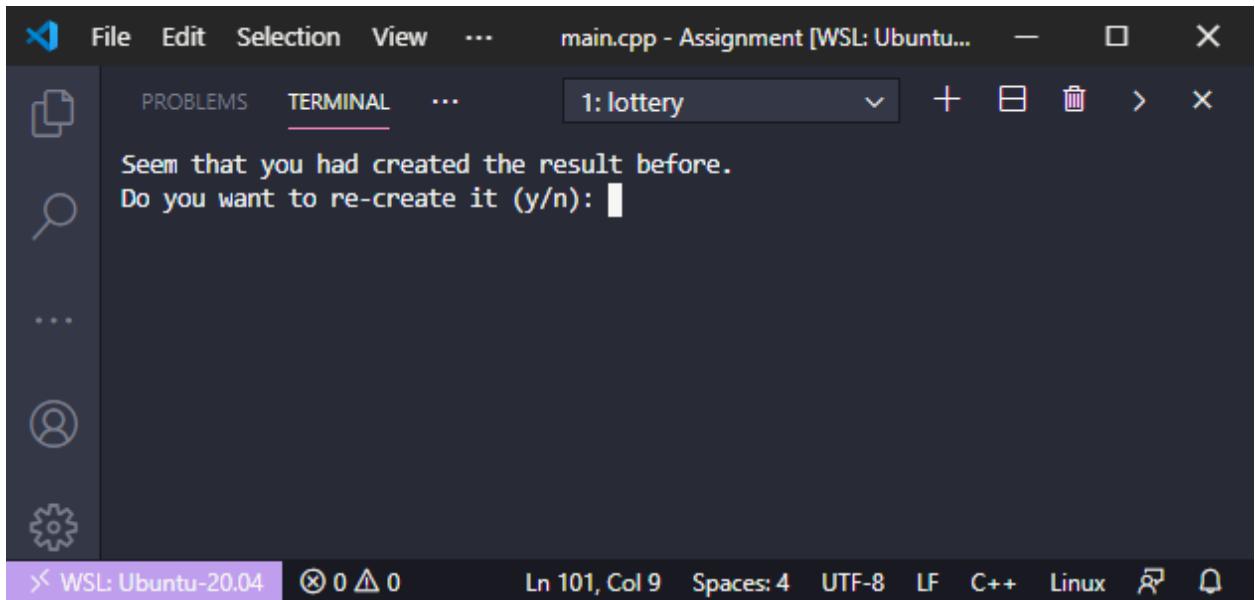
- If you want to see who win the prizes, press 3

A screenshot of a terminal window titled "main.cpp - Assignment [WSL: Ubuntu...]" in Visual Studio Code. The terminal tab is selected. The output shows lottery results:

```
Lucky number: |06||09||21||27||28||36||39|-|02||20||32|
///////////////////////////////
// Buyer      Num  Bonus          Result      //
// Player 1    1     0    Getting better luck next time //
// Player 2    2     1    Getting better luck next time //
// Player 3    1     0    Getting better luck next time //
/////////////////////////////
Press enter key to continue.
```

WSL: Ubuntu-20.04

- If you want to find out who is the winner, you could re-roll by re-pressing 3. The program will ask you to re-roll.



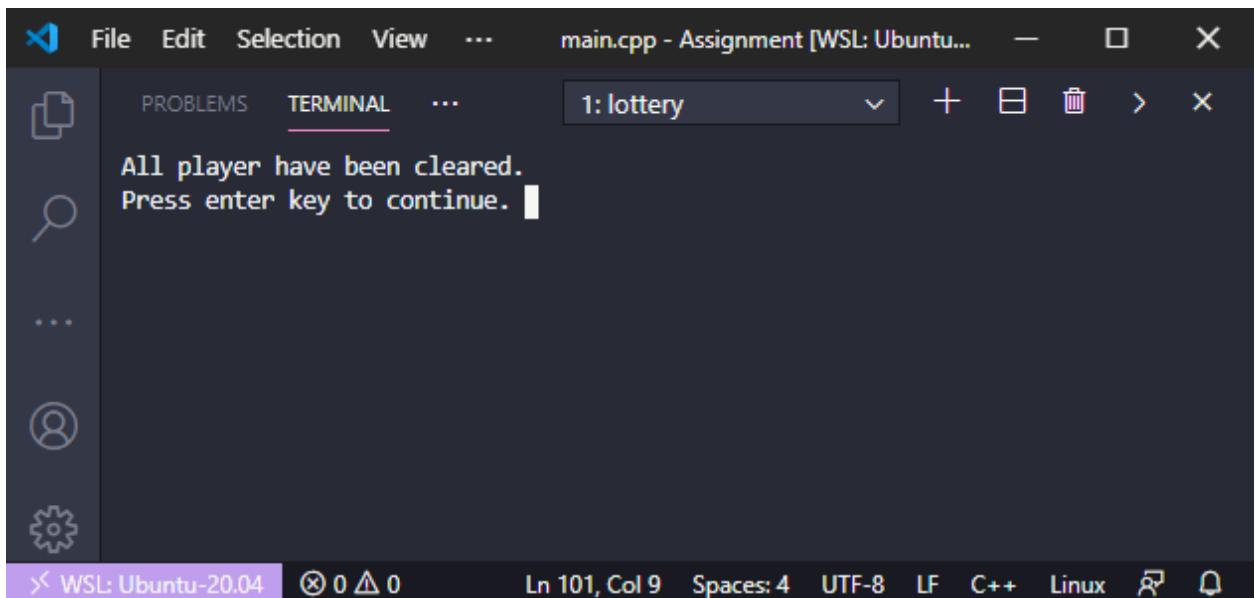
File Edit Selection View ... main.cpp - Assignment [WSL: Ubuntu...] PROBLEMS TERMINAL ... 1: lottery + ⌂ ⌂ > X

Seem that you had created the result before.
Do you want to re-create it (y/n): █

...
...
...
...

WSL: Ubuntu-20.04 ⊗ 0 Δ 0 Ln 101, Col 9 Spaces: 4 UTF-8 LF C++ Linux ⌂ ⌂

- To clear all players, press 5.



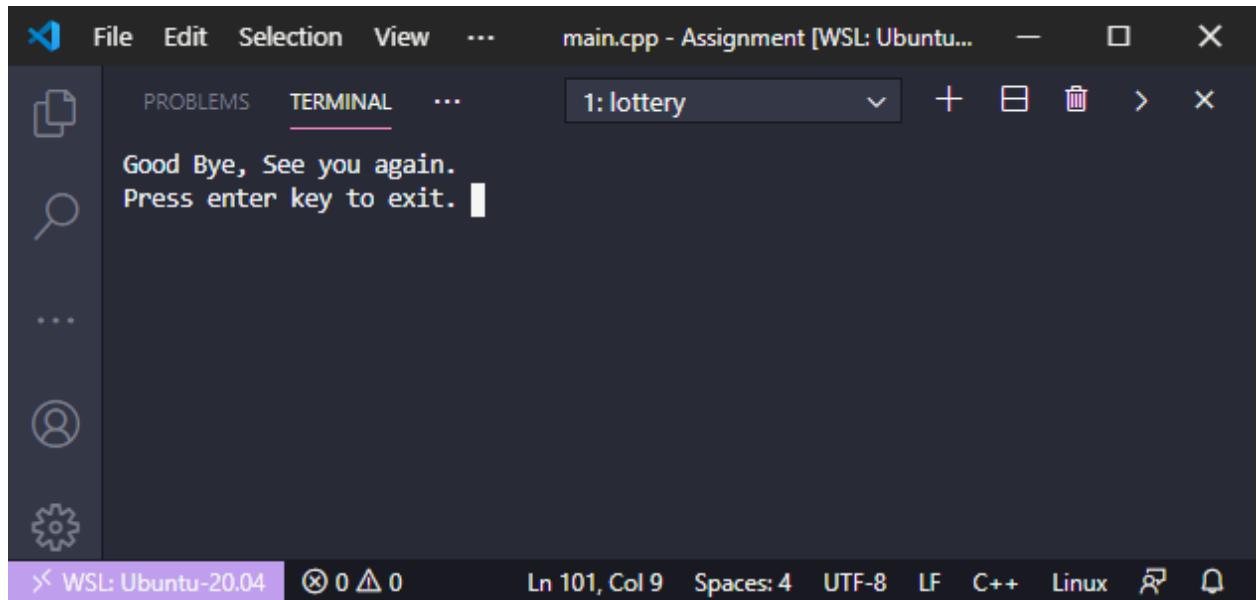
File Edit Selection View ... main.cpp - Assignment [WSL: Ubuntu...] PROBLEMS TERMINAL ... 1: lottery + ⌂ ⌂ > X

All player have been cleared.
Press enter key to continue. █

...
...
...
...

WSL: Ubuntu-20.04 ⊗ 0 Δ 0 Ln 101, Col 9 Spaces: 4 UTF-8 LF C++ Linux ⌂ ⌂

- To exit, press 6.



A screenshot of the Visual Studio Code (VS Code) interface, specifically the terminal tab. The terminal window is titled "1: lottery". Inside the terminal, the following text is displayed:

```
Good Bye, See you again.  
Press enter key to exit.
```

The VS Code interface includes a sidebar with icons for file operations like Open, Save, and Find, as well as a gear icon for settings. The status bar at the bottom shows "WSL: Ubuntu-20.04" and other terminal details like line and column numbers (Ln 101, Col 9), character counts (Spaces: 4), and encoding (UTF-8 LF C++ Linux).