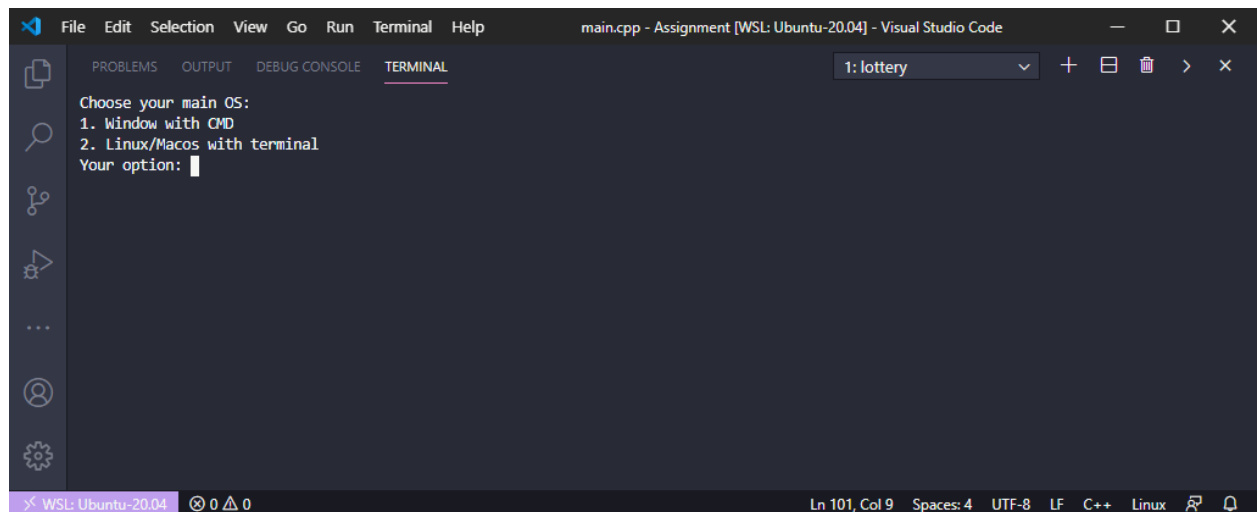


Program's Description

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).

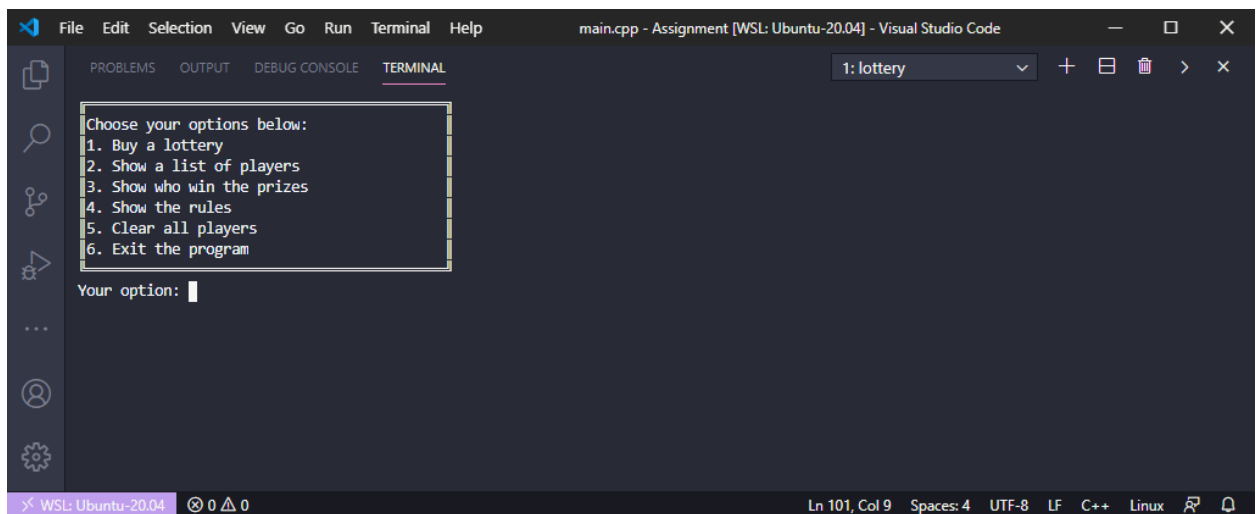
A screenshot of the Visual Studio Code interface. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar shows 'main.cpp - Assignment [WSL: Ubuntu-20.04] - Visual Studio Code'. The left sidebar contains icons for Explorer, Search, Source Control, Run and Debug, and Extensions. The main editor area is split into 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', and 'TERMINAL' tabs. The 'TERMINAL' tab is active, showing a prompt '1: lottery'. The terminal output displays the text: 'Choose your main OS:', '1. Window with CMD', '2. Linux/Macos with terminal', and 'Your option: ' followed by a cursor. The status bar at the bottom indicates 'WSL: Ubuntu-20.04', '0 0 0', 'Ln 101, Col 9', 'Spaces: 4', 'UTF-8', 'LF', 'C++', 'Linux', and a bell icon.

2. Main Function

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

3. Tutorial

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

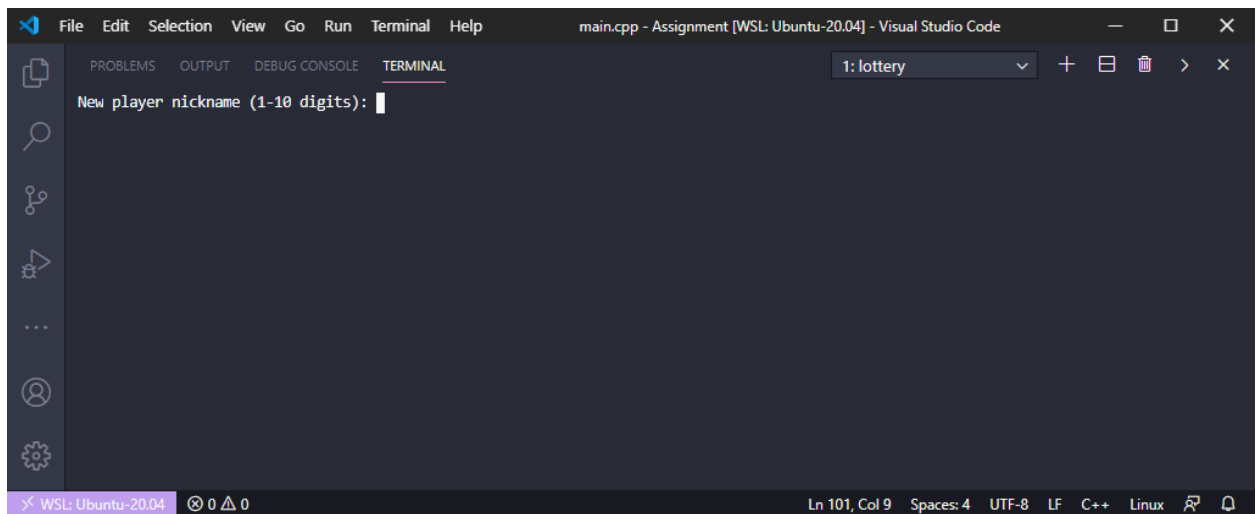


The screenshot shows the Visual Studio Code interface with a terminal window titled "1: lottery". The terminal displays a menu with the following options:

```
Choose your options below:  
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  
Your option: 
```

The status bar at the bottom indicates the file is "main.cpp - Assignment [WSL: Ubuntu-20.04] - Visual Studio Code" and the terminal is running on "WSL: Ubuntu-20.04".

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

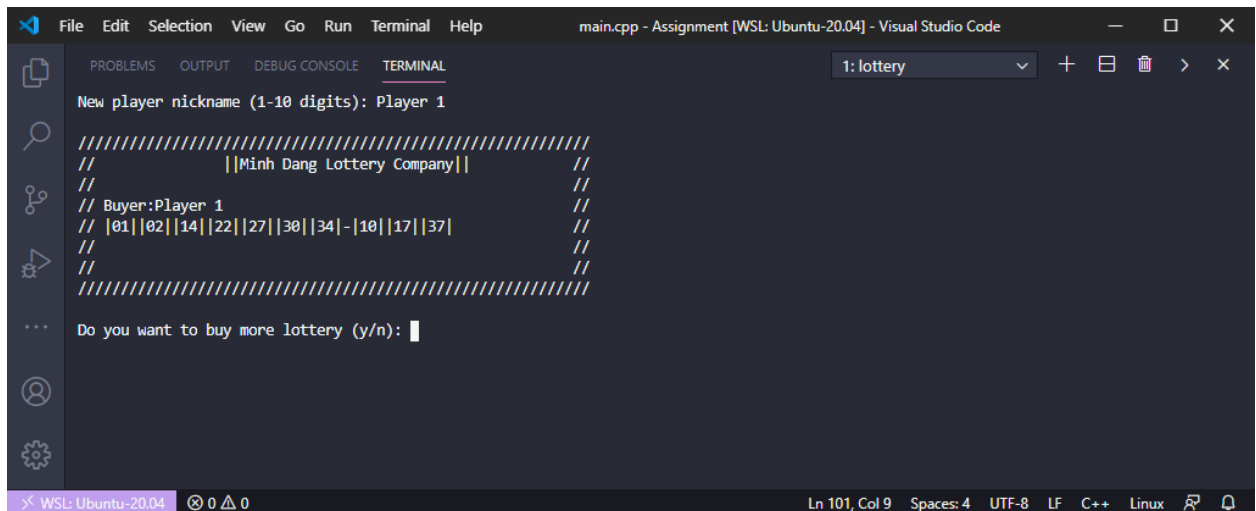


The screenshot shows the Visual Studio Code interface with a terminal window titled "1: lottery". The terminal displays a prompt for a new player nickname:

```
New player nickname (1-10 digits): 
```

The status bar at the bottom indicates the file is "main.cpp - Assignment [WSL: Ubuntu-20.04] - Visual Studio Code" and the terminal is running on "WSL: Ubuntu-20.04".

- 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.



The screenshot shows a Visual Studio Code window with a terminal running a C++ program. The terminal output is as follows:

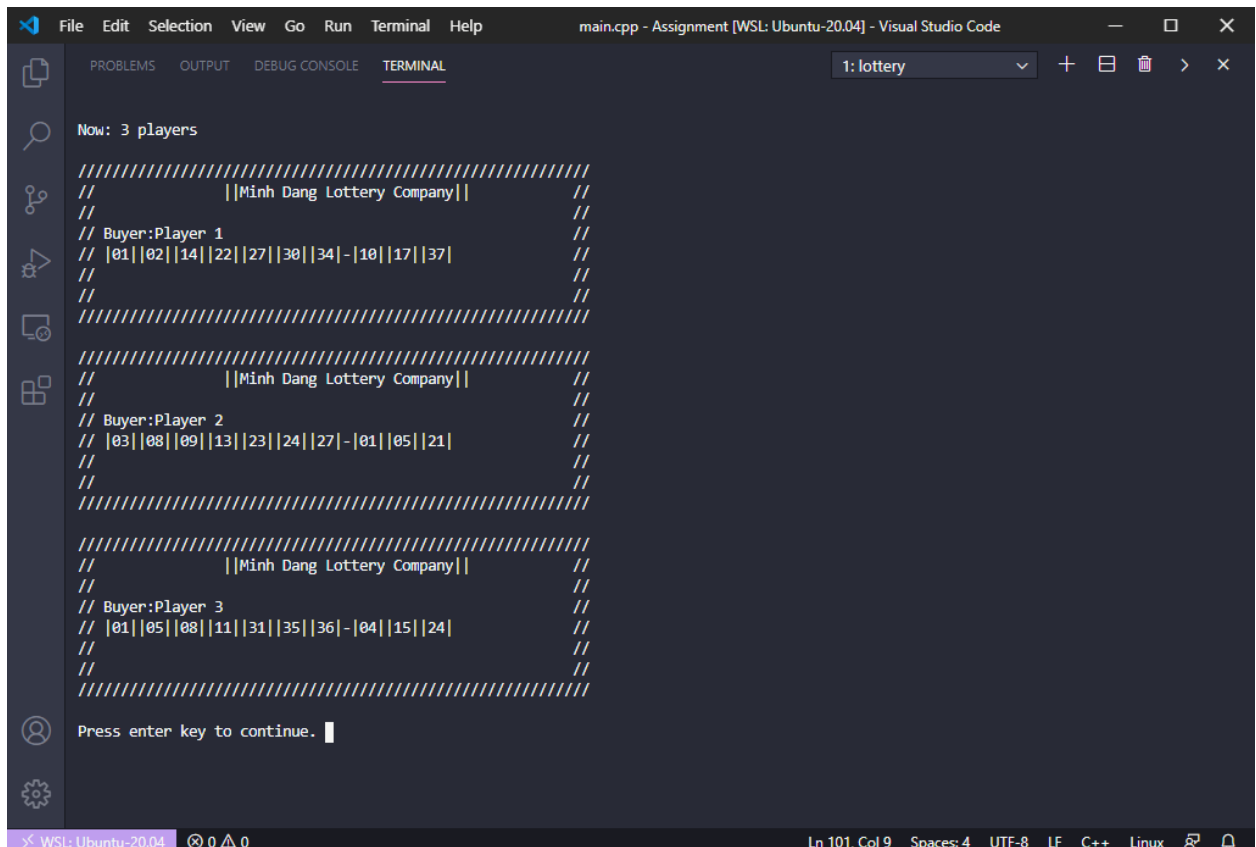
```
File Edit Selection View Go Run Terminal Help main.cpp - Assignment [WSL: Ubuntu-20.04] - Visual Studio Code
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: lottery
New player nickname (1-10 digits): Player 1

////////////////////////////////////
//          ||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):
```

The status bar at the bottom indicates the file is 'main.cpp' at line 101, column 9, with 4 spaces, UTF-8 encoding, LF line endings, and C++ language.

- For checking list of players, press 2.



The screenshot shows the same Visual Studio Code window, but now displaying the list of 3 players. The terminal output is as follows:

```
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|
//
//
////////////////////////////////////

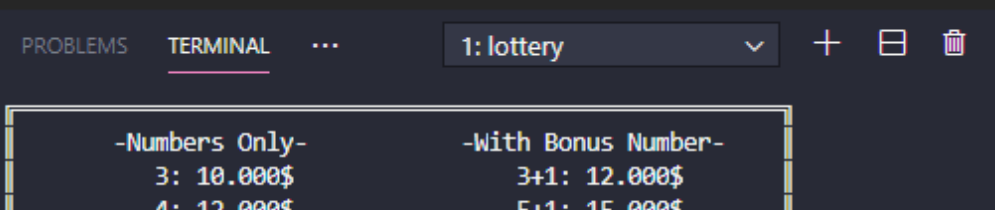
////////////////////////////////////
//          ||Minh Dang Lottery Company||          //
//
// Buyer:Player 2
// |03||08||09||13||23||24||27|-|01||05||21|
//
//
////////////////////////////////////

////////////////////////////////////
//          ||Minh Dang Lottery Company||          //
//
// Buyer:Player 3
// |01||05||08||11||31||35||36|-|04||15||24|
//
//
////////////////////////////////////

Press enter key to continue.
```

The status bar at the bottom remains the same as in the previous screenshot.

- For seeing the rules, press 4.



The screenshot shows a Visual Studio Code editor window with a terminal open. The terminal title is "main.cpp - Assignment [WSL: Ubuntu...". The terminal content displays lottery results for "1: lottery".

-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.

The status bar at the bottom shows "WSL: Ubuntu-20.04", "0 0", "Ln 101, Col 9", "Spaces: 4", "UTF-8", "LF", "C++", "Linux", and icons for search and notifications.

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

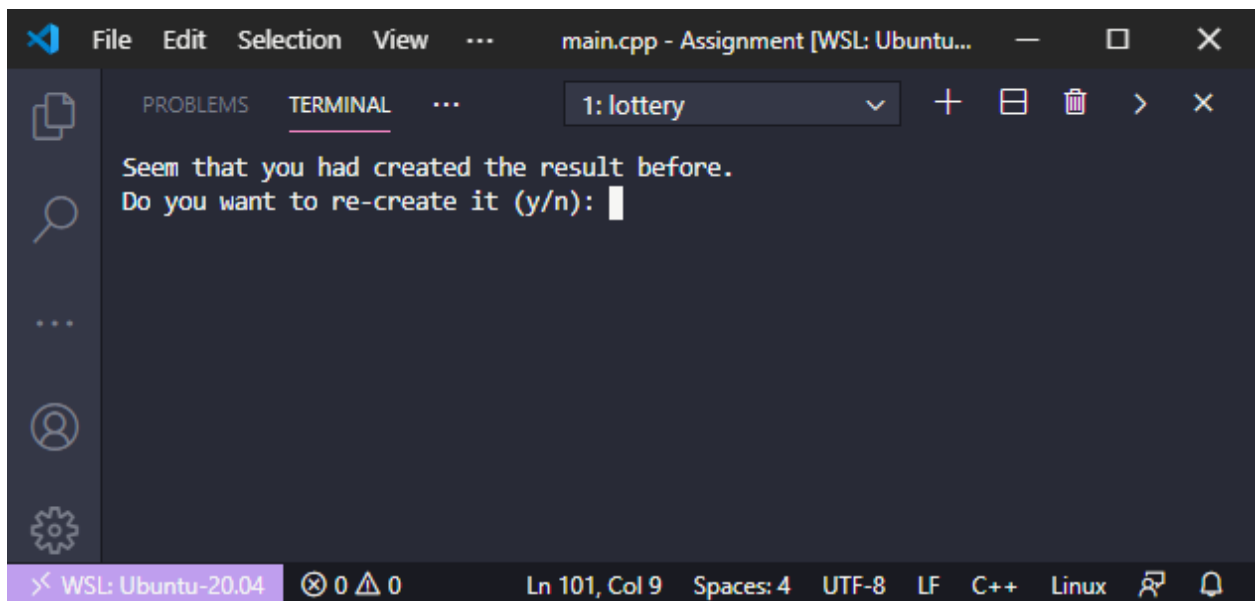
The screenshot shows a Windows terminal window with the title bar 'main.cpp - Assignment [WSL: Ubuntu...'. The terminal content is as follows:

```

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.
  
```

The status bar at the bottom indicates the environment is 'WSL: Ubuntu-20.04', the cursor is at 'Ln 101, Col 9', and the encoding is 'UTF-8'.

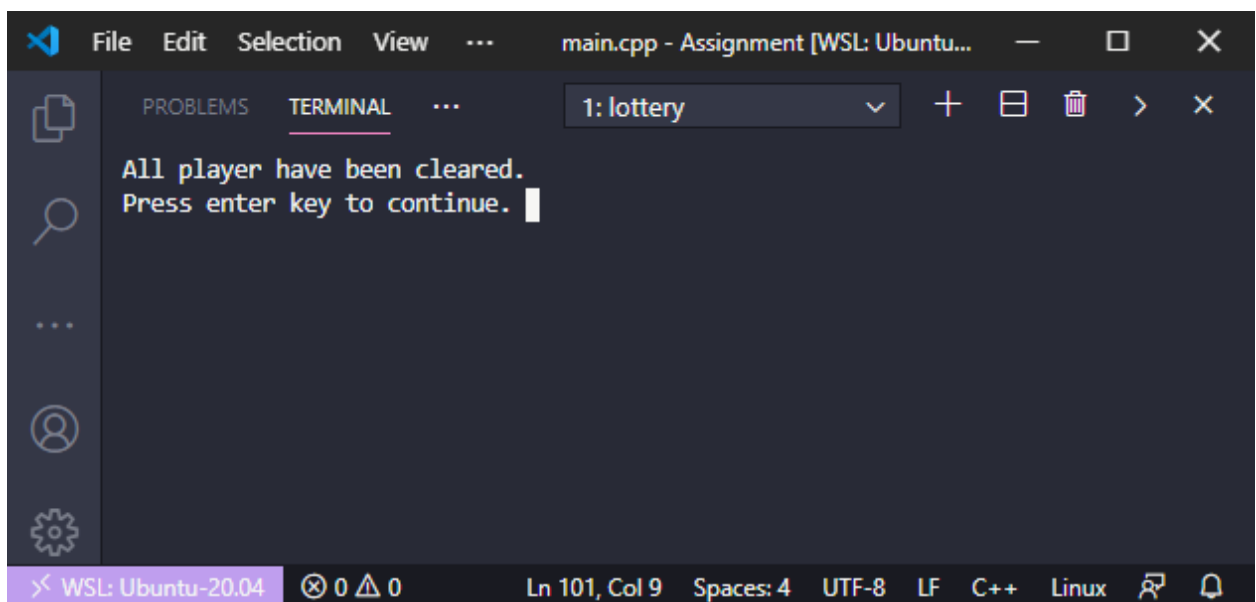
- If you want to find out who is the winner, you could re-roll by re-pressing 3. The program will ask you to re-roll.



The screenshot shows the Visual Studio Code interface with the 'TERMINAL' tab active. The terminal window title is '1: lottery'. The output text reads: 'Seem that you had created the result before. Do you want to re-create it (y/n):'. The status bar at the bottom indicates the file is 'main.cpp - Assignment [WSL: Ubuntu-20.04]', with 0 errors and 0 warnings. The cursor is at line 101, column 9.

```
File Edit Selection View ... main.cpp - Assignment [WSL: Ubuntu-20.04]
PROBLEMS TERMINAL ... 1: lottery
Seem that you had created the result before.
Do you want to re-create it (y/n):
WSL: Ubuntu-20.04 0 0 Ln 101, Col 9 Spaces: 4 UTF-8 LF C++ Linux
```

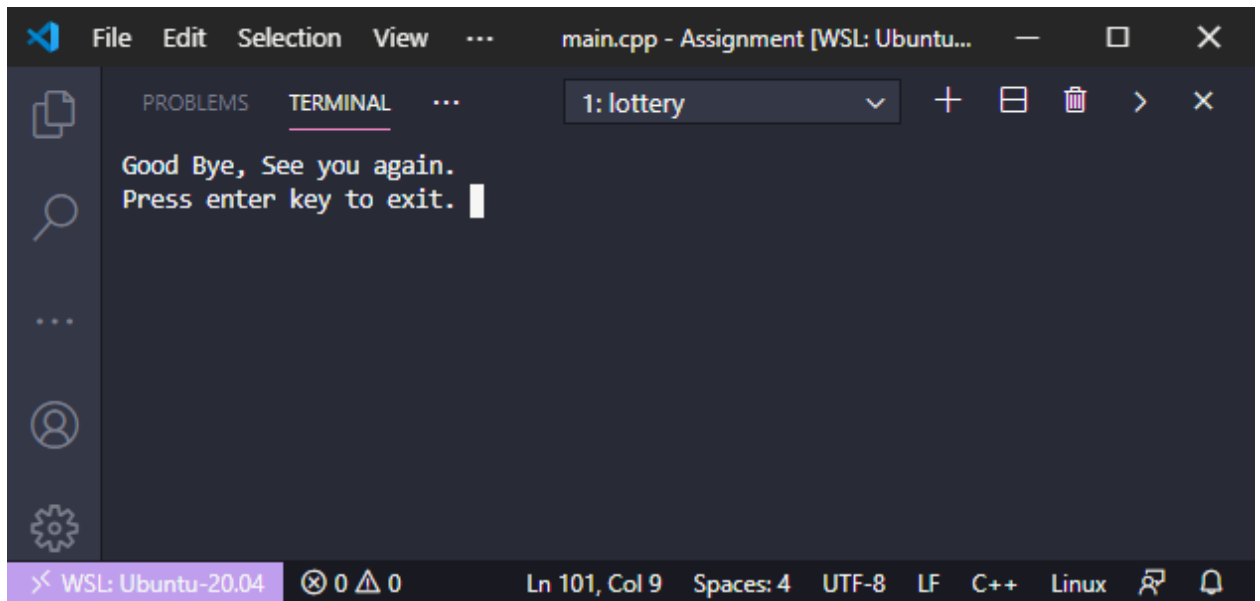
- To clear all players, press 5.



The screenshot shows the Visual Studio Code interface with the 'TERMINAL' tab active. The terminal window title is '1: lottery'. The output text reads: 'All player have been cleared. Press enter key to continue.'. The status bar at the bottom indicates the file is 'main.cpp - Assignment [WSL: Ubuntu-20.04]', with 0 errors and 0 warnings. The cursor is at line 101, column 9.

```
File Edit Selection View ... main.cpp - Assignment [WSL: Ubuntu-20.04]
PROBLEMS TERMINAL ... 1: lottery
All player have been cleared.
Press enter key to continue.
WSL: Ubuntu-20.04 0 0 Ln 101, Col 9 Spaces: 4 UTF-8 LF C++ Linux
```

- To exit, press 6.



The screenshot shows a Visual Studio Code window with a terminal open. The terminal title is "1: lottery". The output in the terminal is "Good Bye, See you again. Press enter key to exit." followed by a cursor. The status bar at the bottom indicates the file is "main.cpp - Assignment [WSL: Ubuntu...]", the editor is on "Ln 101, Col 9", and the file encoding is "UTF-8". The terminal is running a C++ program on a Linux system (Ubuntu-20.04).

```
File Edit Selection View ... main.cpp - Assignment [WSL: Ubuntu...]
```

PROBLEMS TERMINAL ... 1: lottery

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

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