


```

    {
        if (player % 2 == 0) //if chance is of player 2 then mark O else mark X
        {
            arr[choice] = 'O';
            player++;
        }
        else
        {
            arr[choice] = 'X';
            player++;
        }
    }
    else //If there is any position where user want to run and that is already marked then show message and
load board again
    {
        Console.WriteLine("Sorry the row {0} is already marked with {1}", choice, arr[choice]);
        Console.WriteLine("\n");
        Console.WriteLine("Please wait 2 second board is loading again.....");
        Thread.Sleep(2000);
    }
    flag = CheckWin();// calling of check win
} while (flag != 1 && flag != -1);// This loof will be run until all cell of the grid is not marked with X and O or
some player is not win
Console.Clear();// clearing the console
Board();// getting filled board again
if (flag == 1)// if flag value is 1 then some one has win or means who played marked last time which has win
{
    Console.WriteLine("Player {0} has won", (player % 2) + 1);
}
else// if flag value is -1 the match will be draw and no one is winner
{
    Console.WriteLine("Draw");
}
Console.ReadLine();
}

```

```

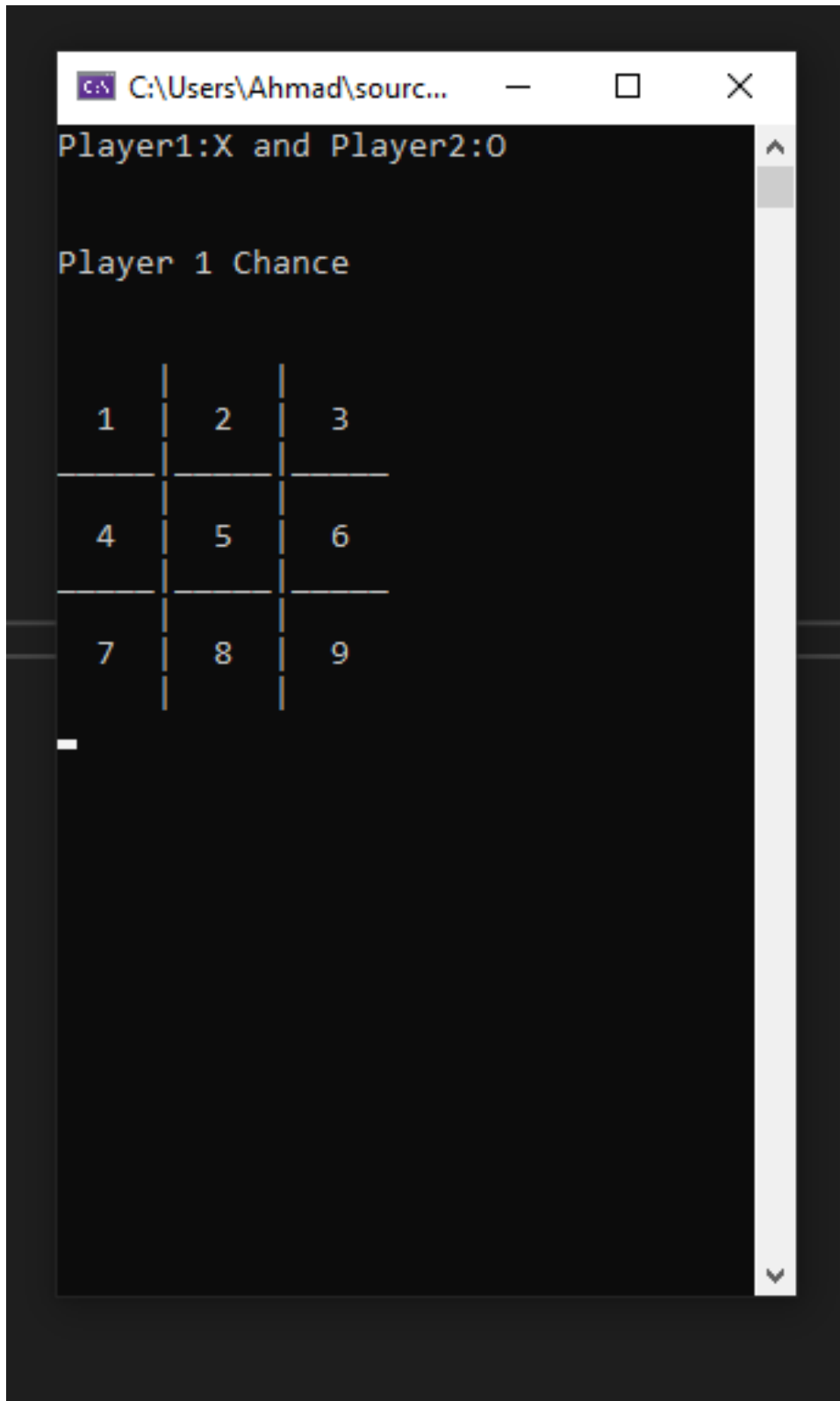
// Board method which creates board
private static void Board()
{
    Console.WriteLine(" | | ");
    Console.WriteLine(" {0} | {1} | {2}", arr[1], arr[2], arr[3]);
    Console.WriteLine("____|____|____ ");
    Console.WriteLine(" | | ");
    Console.WriteLine(" {0} | {1} | {2}", arr[4], arr[5], arr[6]);
    Console.WriteLine("____|____|____ ");
    Console.WriteLine(" | | ");
    Console.WriteLine(" {0} | {1} | {2}", arr[7], arr[8], arr[9]);
    Console.WriteLine(" | | ");
}

//Checking that any player has won or not
private static int CheckWin()
{
    #region Horizontal Winning Condition
    //Winning Condition For First Row
    if (arr[1] == arr[2] && arr[2] == arr[3])
        return 1;
    //Winning Condition For Second Row
    else if (arr[4] == arr[5] && arr[5] == arr[6])
        return 1;
    //Winning Condition For Third Row
    else if (arr[7] == arr[8] && arr[8] == arr[9])
        return 1;
    #endregion

    #region vertical Winning Condition
    //Winning Condition For First Column
    else if (arr[1] == arr[4] && arr[4] == arr[7])
        return 1;
    //Winning Condition For Second Column
    else if (arr[2] == arr[5] && arr[5] == arr[8])
        return 1;
}

```


When you hit run the program will run and the first page will be



The screenshot shows a Windows command prompt window with the following text and a 3x3 grid:

```
C:\Users\Ahmad\sourc...
Player1:X and Player2:0

Player 1 Chance

 1 | 2 | 3
---|---|---
 4 | 5 | 6
---|---|---
 7 | 8 | 9
```

The window title bar shows the path `C:\Users\Ahmad\sourc...` and standard minimize, maximize, and close buttons. A vertical scrollbar is visible on the right side of the terminal window.

When you press any key between 1-9 so the x will be marked there for player 1 suppose I have pressed the 5 numeric key the result will be

```
C:\Users\Ahmad\source\rep
```

```
Player1:X and Player2:
```

```
Player 2 Chance
```

1	2	3
4	X	6
7	8	9

Now its player 2 turn now hit any numeric key between 1-9 except 5 when you press 5 then it will show invalid message but now we will press 3 and see the result

```
C:\Users\Ahmad\source\rep
```

```
Player1:X and Player2:
```

```
Player 1 Chance
```

1	2	0
4	X	6
7	8	9

Now lets check for pressing the reserved box in game viz I am going to 5 again on player one and see the result

```
C:\Users\Ahmad\source\repos\Haris_Game\Haris_Game\bin\Debug\netcorea
```

```
Player1:X and Player2:0
```

```
Player 1 Chance
```

1	2	0
4	X	6
7	8	9

```
5
```

```
Sorry the row 5 is already marked with X
```

```
Please wait 2 second board is loading again.....
```


Now see what happen when player has won and see the result

```
C:\Users\Ahmad\source\repos\Ha
```

```
  X   |   2   |   0   |
-----|-----|-----|
  X   |   X   |   6   |
-----|-----|-----|
  X   |   0   |   0   |
-----|-----|-----|
Player 1 has won
```