ticTacToe.java

```
static int player1count = 0, player2count = 0;
public static void main(String[] args) {
    System.out.println("Welcome to the tictactoe game made by Kavin!");
    System.out.println("Enter letter to represent player 1: ");
    System.out.println("Enter letter to represent player 2: ");
    player2choice = sc.next().charAt(0);
    printBoard();
    while (!checkWinner(player1choice) && !checkWinner(player2choice)) {
        player1Turn();
        player2Turn();
public static void printBoard() {
        System.out.print("| ");
for (int j = 0; j < 3; j++) {
public static void determineRowAndColumn(int position) {
        row = 1;
    if (position == 8) {
```

```
public static void player1move(int row, int column) {
    board[row][column] = player1choice;
public static void player2move(int row, int column) {
    board[row][column] = player2choice;
public static boolean checkWinner(char playerChoice) {
    if (board[0][0] == playerChoice \&\& board[0][1] == playerChoice \&\& board[0][2] == playerChoice)
    if (board[1][0] == playerChoice \&\& board[1][1] == playerChoice \&\& board[1][2] == playerChoice)
    if (board[2][0] == playerChoice && board[2][1] == playerChoice && board[2][2] == playerChoice)
    if (board[0][0] == playerChoice && board[1][0] == playerChoice && board[2][0] == playerChoice)
       (board[0][1] == playerChoice \&\& board[1][1] == playerChoice \&\& board[2][1] == playerChoice)
    if (board[0][2] == playerChoice && board[1][2] == playerChoice && board[2][2] == playerChoice)
     if (board[0][0] == playerChoice \&\& board[1][1] == playerChoice \&\& board[2][2] == playerChoice) \\
    return board[0][2] == playerChoice && board[1][1] == playerChoice && board[2][0] == playerChoice;
        System.exit(0);
public static void player1Turn() {
    while (flag1 == 0) {
        int player1position = sc.nextInt();
        determineRowAndColumn(player1position);
        if (board[row][column] != player2choice && board[row][column] != player1choice) {
            player1count += 1;
            player1move(row, column);
            printBoard();
            boolean b = checkWinner(player1choice);
                System.out.println("Player 1(" + player1choice + ") won!");
public static void player2Turn() {
    int flag2 = 0;
        System.out.println("Player " + player2choice + ", enter position {1..9}");
        int player2position = sc.nextInt();
        determineRowAndColumn(player2position);
        if (board[row][column] != player1choice && board[row][column] != player2choice) {
            player2count += 1;
            player2move(row, column);
            printBoard():
            boolean b = checkWinner(player2choice);
                System.out.println("Player 2 (" + player2choice + ") won!");
            System.out.println("Already occupied! Try again");
```

```
164 }
165 }
166 }
167 /**
168 * Variable Data Table
169 * board int[][] Store board
170 * playerlchoice char Store 1st users avatar
171 * player2choice char Store 2nd users avatar
172 * playerlposition int Where 1st user choose to move
173 * player2position int Where 2nd user choose to move
174 * row, column int 2d coordinates for move
175 * position int Id coordinates for move
176 * i, j int Used in calculation
177 */
```