Indira Gandhi Delhi Technical University for Women

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PROJECT For OBJECT ORIENTED PROGRAMMING USING JAVA (BAI-102)

Submitted to:

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Tic Tac Toe Game

```
import java.util.*;
class TicTakToe {
    public static void main(String[] args) {
        char[][] board = new char[3][3];
        for (int i = 0; i < board.length; i++) {</pre>
            for (int j = 0; j < board[i].length; j++) {</pre>
                board[i][j] = ' ';
        char player = 'X';
        boolean gameOver = false;
        Scanner sc = new Scanner(System.in);
        while (!gameOver) {
            printBoard(board);
            System.out.print("Player " + player + " enter your choice index :
");
            int row = sc.nextInt();
            int col = sc.nextInt();
            if (board[row][col] == ' ') {
                board[row][col] = player;
                gameOver = haveWon(board, player);
                if (gameOver) {
                     System.out.println("Player " + player + " has won.");
                     printBoard(board);
                } else {
                     if (player == 'X') {
                         player = '0';
                     } else {
                         player = 'X';
                }
            } else {
                System.out.println("Invalid move! Try again");
        sc.close();
    public static void printBoard(char[][] board) {
        for (int i = 0; i < board.length; i++) {</pre>
            for (int j = 0; j < board[i].length; <math>j++) {
                System.out.print(board[i][j]+"|");
```