

IQRA NATIONAL UNIVERSITY PESHAWER



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Assignment: 1

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BS(CS)


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18 )
19
20 public static void Play() {
21     boolean playing = true;
22     PrintBoard();
23     while (playing) {
24         System.out.println("Please enter a row and column: ");
25         row = scan.nextInt() - 1;
26         col = scan.nextInt() - 1;
27         board[row][col] = turn;
28         if (GameOver(row, col)) {
29             playing = false;
30             System.out.println("Game over! Player " + turn + " wins!");
31         }
32
33         PrintBoard();
34         if (turn == 'X')
35             turn = 'O';
36         else
37             turn = 'X';
38     }
39 }
40
41 public static void PrintBoard() {

```

Console

```

| _ | O | X |
| X | _ | X |

```

Please enter a row and column:

Game over! Player X wins!

```

| O | O | X |
| _ | O | X |
| X | _ | X |

```


Explanation of tic tac toe game in Java.

In Program first we take class with name TTT, then we took variables type of int and name of variable we ~~are~~ took one is row and other is col; After this we took character type of variable which has 3 row and 3 column, After this we took variable type character and name turn, for this type of the Program we use 3 Dimension array, as we array in C++. we used for loop for 3 time, in for loop we took different variable type of int, in which "i" represent line and "j" represent column, then we used boolean value as true, false. in for loop we used && operator. After this we set a condition in for loop, as we, set, when Game is over is show 0, when Game wins then it show X.