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package com.work;

import java.util.Scanner;

public class Main {
    static String[] ListofOX = {"1","2","3","4","5","6","7","8","9"};
    static String player = "O";
    static void displayboard() {
        System.out.println(ListofOX[0] + "    |    " + ListofOX[1] + "    "
| " + ListofOX[2]);
        System.out.println(ListofOX[3] + "    |    " + ListofOX[4] + "    "
| " + ListofOX[5]);
        System.out.println(ListofOX[6] + "    |    " + ListofOX[7] + "    "
| " + ListofOX[8]);
    }
    static void inputox() {
        try {
            System.out.println("This is " + player + " turn");
            Scanner scanner = new Scanner(System.in);
            System.out.print("Please enter your position : ");
            String userinput = scanner.next();
            int opos = Integer.parseInt(userinput);
            opos = opos - 1;

            if (0 <= opos && opos <= 8 &&
(!"O".equals(ListofOX[opos])) && (!"X".equals(ListofOX[opos]))) {
                ListofOX[opos] = player;
                if ("O".equals(player))
                    player = "X";
                else
                    player = "O";
            } else
                System.out.println("Please enter number between 1-9");

        } catch (Exception e) {
            System.out.println("ERROR");
        }
    }

    static boolean checkwin() {
        if (ListofOX[0].equals(ListofOX[1]) &&
ListofOX[1].equals(ListofOX[2]))
            return true;
        else if (ListofOX[3].equals(ListofOX[4]) &&
ListofOX[4].equals(ListofOX[5]))
            return true;
        else if (ListofOX[6].equals(ListofOX[7]) &&
ListofOX[7].equals(ListofOX[8]))
            return true;
        else if (ListofOX[0].equals(ListofOX[3]) &&
ListofOX[3].equals(ListofOX[6]))
            return true;
        else if (ListofOX[1].equals(ListofOX[4]) &&
ListofOX[4].equals(ListofOX[7]))
            return true;
        else if (ListofOX[2].equals(ListofOX[5]) &&

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ListofOX[5].equals(ListofOX[8]))
    return true;
    else if (ListofOX[0].equals(ListofOX[4]) &&
ListofOX[4].equals(ListofOX[8]))
    return true;
    else if (ListofOX[2].equals(ListofOX[4]) &&
ListofOX[4].equals(ListofOX[6]))
    return true;
    else
    return false;
}
public static void main(String[] args) {
    int countround = 0;
    System.out.println("Welcome to OX GAME");
    displayboard();
    while(true){
        inputox();
        checkwin();
        displayboard();
        countround += 1;
        if (countround == 9 && (!checkwin())) {
            System.out.println("DRAW");
            break;
        }
        if (checkwin()) {
            if (player.equals("O"))
                System.out.println("Player X Win");
            if (player.equals("X"))
                System.out.println("Player O Win");
            break;
        }

    }

}
}
}

```