**TIC TAC TOE**

**AIM:**

The objective of this tic tac toe project is created in order to reduce the waste of paper while playing this game. This is also created in order to save trees. This application gives an immersive experience for the players and it is also addictive.

**USERS OF THE SYSTEM:**

* “X” player
* “O” player

**TOOLS TO BE USED:**

* Netbeans 12.5
* jdk 17.0.1

**SOURCE CODE:**

import javax.swing.JOptionPane;

/\*

\* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license

\* Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this template

\*/

/\*\*

\*

\* @author dhiya

\*/

public class TIC\_TAC\_TOE extends javax.swing.JFrame {

/\*\*

\* Creates new form NewJFrame

\*/

public TIC\_TAC\_TOE() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jButton5 = new javax.swing.JButton();

jButton6 = new javax.swing.JButton();

jButton7 = new javax.swing.JButton();

jButton8 = new javax.swing.JButton();

jButton9 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("TIC TAC TOE");

jPanel1.setBackground(new java.awt.Color(0, 0, 0));

jButton1.setBackground(new java.awt.Color(255, 255, 255));

jButton1.setFont(new java.awt.Font("Tahoma", 1, 48)); // NOI18N

jButton1.setForeground(new java.awt.Color(255, 0, 0));

jButton1.setMaximumSize(new java.awt.Dimension(200, 200));

jButton1.setMinimumSize(new java.awt.Dimension(200, 200));

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setBackground(new java.awt.Color(255, 255, 255));

jButton2.setFont(new java.awt.Font("Tahoma", 1, 48)); // NOI18N

jButton2.setForeground(new java.awt.Color(255, 0, 0));

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jButton3.setBackground(new java.awt.Color(255, 255, 255));

jButton3.setFont(new java.awt.Font("Tahoma", 1, 48)); // NOI18N

jButton3.setForeground(new java.awt.Color(255, 0, 0));

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

jButton4.setBackground(new java.awt.Color(255, 255, 255));

jButton4.setFont(new java.awt.Font("Tahoma", 1, 48)); // NOI18N

jButton4.setForeground(new java.awt.Color(255, 0, 0));

jButton4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton4ActionPerformed(evt);

}

});

jButton5.setBackground(new java.awt.Color(255, 255, 255));

jButton5.setFont(new java.awt.Font("Tahoma", 1, 48)); // NOI18N

jButton5.setForeground(new java.awt.Color(255, 0, 0));

jButton5.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton5ActionPerformed(evt);

}

});

jButton6.setBackground(new java.awt.Color(255, 255, 255));

jButton6.setFont(new java.awt.Font("Tahoma", 1, 48)); // NOI18N

jButton6.setForeground(new java.awt.Color(255, 0, 0));

jButton6.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton6ActionPerformed(evt);

}

});

jButton7.setBackground(new java.awt.Color(255, 255, 255));

jButton7.setFont(new java.awt.Font("Tahoma", 1, 48)); // NOI18N

jButton7.setForeground(new java.awt.Color(255, 0, 0));

jButton7.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton7ActionPerformed(evt);

}

});

jButton8.setBackground(new java.awt.Color(255, 255, 255));

jButton8.setFont(new java.awt.Font("Tahoma", 1, 48)); // NOI18N

jButton8.setForeground(new java.awt.Color(255, 0, 0));

jButton8.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton8ActionPerformed(evt);

}

});

jButton9.setBackground(new java.awt.Color(255, 255, 255));

jButton9.setFont(new java.awt.Font("Tahoma", 1, 48)); // NOI18N

jButton9.setForeground(new java.awt.Color(255, 0, 0));

jButton9.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton9ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, 200, Short.MAX\_VALUE)

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton7, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton2, javax.swing.GroupLayout.DEFAULT\_SIZE, 200, Short.MAX\_VALUE)

.addComponent(jButton5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton3, javax.swing.GroupLayout.DEFAULT\_SIZE, 200, Short.MAX\_VALUE)

.addComponent(jButton6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jButton3, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 200, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 200, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, 200, Short.MAX\_VALUE)

.addComponent(jButton5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton7, javax.swing.GroupLayout.DEFAULT\_SIZE, 200, Short.MAX\_VALUE)

.addComponent(jButton8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap())

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

setSize(new java.awt.Dimension(646, 671));

setLocationRelativeTo(null);

}// </editor-fold>

public int count=0;

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

count=count+1;

if(count%2==0)

jButton1.setText("O");

else

jButton1.setText("X");

jButton1.setEnabled(false);

String a11=jButton1.getText();

String a12=jButton2.getText();

String a13=jButton3.getText();

String a21=jButton4.getText();

String a22=jButton5.getText();

String a23=jButton6.getText();

String a31=jButton7.getText();

String a32=jButton8.getText();

String a33=jButton9.getText();

if((a11.equals(a22))&&(a22.equals(a33))){

JOptionPane.showMessageDialog(null,"'"+jButton1.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals(a12))&&(a12.equals(a13))){

JOptionPane.showMessageDialog(null,"'"+jButton1.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals(a21))&&(a21.equals(a31))){

JOptionPane.showMessageDialog(null,"'"+jButton1.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals("X")) || (a11.equals("O"))){

if((a12.equals("X"))||(a12.equals("O"))){

if((a13.equals("X"))||(a13.equals("O"))){

if((a21.equals("X"))||(a21.equals("O"))){

if((a22.equals("X"))||(a22.equals("O"))){

if((a23.equals("X"))||(a23.equals("O"))){

if((a31.equals("X"))||(a31.equals("O"))){

if((a32.equals("X"))||(a32.equals("O"))){

if((a33.equals("X"))||(a33.equals("O"))){

JOptionPane.showMessageDialog(null,"DRAW MATCH");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

}

}

}

}

}

}

}

}

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

count=count+1;

if(count%2==0)

jButton3.setText("O");

else

jButton3.setText("X");

jButton3.setEnabled(false);

String a11=jButton1.getText();

String a12=jButton2.getText();

String a13=jButton3.getText();

String a21=jButton4.getText();

String a22=jButton5.getText();

String a23=jButton6.getText();

String a31=jButton7.getText();

String a32=jButton8.getText();

String a33=jButton9.getText();

if((a11.equals(a12))&&(a12.equals(a13))){

JOptionPane.showMessageDialog(null,"'"+jButton3.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a13.equals(a23))&&(a23.equals(a33))){

JOptionPane.showMessageDialog(null,"'"+jButton3.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a13.equals(a22))&&(a22.equals(a31))){

JOptionPane.showMessageDialog(null,"'"+jButton3.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals("X")) || (a11.equals("O"))){

if((a12.equals("X"))||(a12.equals("O"))){

if((a13.equals("X"))||(a13.equals("O"))){

if((a21.equals("X"))||(a21.equals("O"))){

if((a22.equals("X"))||(a22.equals("O"))){

if((a23.equals("X"))||(a23.equals("O"))){

if((a31.equals("X"))||(a31.equals("O"))){

if((a32.equals("X"))||(a32.equals("O"))){

if((a33.equals("X"))||(a33.equals("O"))){

JOptionPane.showMessageDialog(null,"DRAW MATCH");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

}

}

}

}

}

}

}

}

}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

count=count+1;

if(count%2==0)

jButton4.setText("O");

else

jButton4.setText("X");

jButton4.setEnabled(false);

String a11=jButton1.getText();

String a12=jButton2.getText();

String a13=jButton3.getText();

String a21=jButton4.getText();

String a22=jButton5.getText();

String a23=jButton6.getText();

String a31=jButton7.getText();

String a32=jButton8.getText();

String a33=jButton9.getText();

if((a11.equals(a21))&&(a21.equals(a31))){

JOptionPane.showMessageDialog(null,"'"+jButton4.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a21.equals(a22))&&(a22.equals(a23))){

JOptionPane.showMessageDialog(null,"'"+jButton4.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals("X")) || (a11.equals("O"))){

if((a12.equals("X"))||(a12.equals("O"))){

if((a13.equals("X"))||(a13.equals("O"))){

if((a21.equals("X"))||(a21.equals("O"))){

if((a22.equals("X"))||(a22.equals("O"))){

if((a23.equals("X"))||(a23.equals("O"))){

if((a31.equals("X"))||(a31.equals("O"))){

if((a32.equals("X"))||(a32.equals("O"))){

if((a33.equals("X"))||(a33.equals("O"))){

JOptionPane.showMessageDialog(null,"DRAW MATCH");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

}

}

}

}

}

}

}

}

}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

count=count+1;

if(count%2==0)

jButton5.setText("O");

else

jButton5.setText("X");

jButton5.setEnabled(false);

String a11=jButton1.getText();

String a12=jButton2.getText();

String a13=jButton3.getText();

String a21=jButton4.getText();

String a22=jButton5.getText();

String a23=jButton6.getText();

String a31=jButton7.getText();

String a32=jButton8.getText();

String a33=jButton9.getText();

if((a11.equals(a22))&&(a22.equals(a33))){

JOptionPane.showMessageDialog(null,"'"+jButton5.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a12.equals(a22))&&(a22.equals(a32))){

JOptionPane.showMessageDialog(null,"'"+jButton5.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a13.equals(a22))&&(a22.equals(a31))){

JOptionPane.showMessageDialog(null,"'"+jButton5.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a21.equals(a22))&&(a22.equals(a23))){

JOptionPane.showMessageDialog(null,"'"+jButton5.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals("X")) || (a11.equals("O"))){

if((a12.equals("X"))||(a12.equals("O"))){

if((a13.equals("X"))||(a13.equals("O"))){

if((a21.equals("X"))||(a21.equals("O"))){

if((a22.equals("X"))||(a22.equals("O"))){

if((a23.equals("X"))||(a23.equals("O"))){

if((a31.equals("X"))||(a31.equals("O"))){

if((a32.equals("X"))||(a32.equals("O"))){

if((a33.equals("X"))||(a33.equals("O"))){

JOptionPane.showMessageDialog(null,"DRAW MATCH");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

}

}

}

}

}

}

}

}

}

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

count=count+1;

if(count%2==0)

jButton6.setText("O");

else

jButton6.setText("X");

jButton6.setEnabled(false);

String a11=jButton1.getText();

String a12=jButton2.getText();

String a13=jButton3.getText();

String a21=jButton4.getText();

String a22=jButton5.getText();

String a23=jButton6.getText();

String a31=jButton7.getText();

String a32=jButton8.getText();

String a33=jButton9.getText();

if((a21.equals(a22))&&(a22.equals(a23))){

JOptionPane.showMessageDialog(null,"'"+jButton6.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a13.equals(a23))&&(a23.equals(a33))){

JOptionPane.showMessageDialog(null,"'"+jButton6.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals("X")) || (a11.equals("O"))){

if((a12.equals("X"))||(a12.equals("O"))){

if((a13.equals("X"))||(a13.equals("O"))){

if((a21.equals("X"))||(a21.equals("O"))){

if((a22.equals("X"))||(a22.equals("O"))){

if((a23.equals("X"))||(a23.equals("O"))){

if((a31.equals("X"))||(a31.equals("O"))){

if((a32.equals("X"))||(a32.equals("O"))){

if((a33.equals("X"))||(a33.equals("O"))){

JOptionPane.showMessageDialog(null,"DRAW MATCH");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

}

}

}

}

}

}

}

}

}

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

count=count+1;

if(count%2==0)

jButton7.setText("O");

else

jButton7.setText("X");

jButton7.setEnabled(false);

String a11=jButton1.getText();

String a12=jButton2.getText();

String a13=jButton3.getText();

String a21=jButton4.getText();

String a22=jButton5.getText();

String a23=jButton6.getText();

String a31=jButton7.getText();

String a32=jButton8.getText();

String a33=jButton9.getText();

if((a13.equals(a22))&&(a22.equals(a31))){

JOptionPane.showMessageDialog(null,"'"+jButton7.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a31.equals(a32))&&(a32.equals(a33))){

JOptionPane.showMessageDialog(null,"'"+jButton7.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals(a21))&&(a21.equals(a31))){

JOptionPane.showMessageDialog(null,"'"+jButton7.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals("X")) || (a11.equals("O"))){

if((a12.equals("X"))||(a12.equals("O"))){

if((a13.equals("X"))||(a13.equals("O"))){

if((a21.equals("X"))||(a21.equals("O"))){

if((a22.equals("X"))||(a22.equals("O"))){

if((a23.equals("X"))||(a23.equals("O"))){

if((a31.equals("X"))||(a31.equals("O"))){

if((a32.equals("X"))||(a32.equals("O"))){

if((a33.equals("X"))||(a33.equals("O"))){

JOptionPane.showMessageDialog(null,"DRAW MATCH");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

}

}

}

}

}

}

}

}

}

private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

count=count+1;

if(count%2==0)

jButton8.setText("O");

else

jButton8.setText("X");

jButton8.setEnabled(false);

String a11=jButton1.getText();

String a12=jButton2.getText();

String a13=jButton3.getText();

String a21=jButton4.getText();

String a22=jButton5.getText();

String a23=jButton6.getText();

String a31=jButton7.getText();

String a32=jButton8.getText();

String a33=jButton9.getText();

if((a31.equals(a32))&&(a32.equals(a33))){

JOptionPane.showMessageDialog(null,"'"+jButton8.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a12.equals(a22))&&(a22.equals(a32))){

JOptionPane.showMessageDialog(null,"'"+jButton8.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals("X")) || (a11.equals("O"))){

if((a12.equals("X"))||(a12.equals("O"))){

if((a13.equals("X"))||(a13.equals("O"))){

if((a21.equals("X"))||(a21.equals("O"))){

if((a22.equals("X"))||(a22.equals("O"))){

if((a23.equals("X"))||(a23.equals("O"))){

if((a31.equals("X"))||(a31.equals("O"))){

if((a32.equals("X"))||(a32.equals("O"))){

if((a33.equals("X"))||(a33.equals("O"))){

JOptionPane.showMessageDialog(null,"DRAW MATCH");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

}

}

}

}

}

}

}

}

}

private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

count=count+1;

if(count%2==0)

jButton9.setText("O");

else

jButton9.setText("X");

jButton9.setEnabled(false);

String a11=jButton1.getText();

String a12=jButton2.getText();

String a13=jButton3.getText();

String a21=jButton4.getText();

String a22=jButton5.getText();

String a23=jButton6.getText();

String a31=jButton7.getText();

String a32=jButton8.getText();

String a33=jButton9.getText();

if((a11.equals(a22))&&(a22.equals(a33))){

JOptionPane.showMessageDialog(null,"'"+jButton9.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a31.equals(a32))&&(a32.equals(a33))){

JOptionPane.showMessageDialog(null,"'"+jButton9.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a13.equals(a23))&&(a23.equals(a33))){

JOptionPane.showMessageDialog(null,"'"+jButton9.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals("X")) || (a11.equals("O"))){

if((a12.equals("X"))||(a12.equals("O"))){

if((a13.equals("X"))||(a13.equals("O"))){

if((a21.equals("X"))||(a21.equals("O"))){

if((a22.equals("X"))||(a22.equals("O"))){

if((a23.equals("X"))||(a23.equals("O"))){

if((a31.equals("X"))||(a31.equals("O"))){

if((a32.equals("X"))||(a32.equals("O"))){

if((a33.equals("X"))||(a33.equals("O"))){

JOptionPane.showMessageDialog(null,"DRAW MATCH");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

}

}

}

}

}

}

}

}

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

count=count+1;

if(count%2==0)

jButton2.setText("O");

else

jButton2.setText("X");

jButton2.setEnabled(false);

String a11=jButton1.getText();

String a12=jButton2.getText();

String a13=jButton3.getText();

String a21=jButton4.getText();

String a22=jButton5.getText();

String a23=jButton6.getText();

String a31=jButton7.getText();

String a32=jButton8.getText();

String a33=jButton9.getText();

if((a11.equals(a12))&&(a12.equals(a13))){

JOptionPane.showMessageDialog(null,"'"+jButton2.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a12.equals(a22))&&(a22.equals(a32))){

JOptionPane.showMessageDialog(null,"'"+jButton2.getText()+"' WINS");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

else if((a11.equals("X")) || (a11.equals("O"))){

if((a12.equals("X"))||(a12.equals("O"))){

if((a13.equals("X"))||(a13.equals("O"))){

if((a21.equals("X"))||(a21.equals("O"))){

if((a22.equals("X"))||(a22.equals("O"))){

if((a23.equals("X"))||(a23.equals("O"))){

if((a31.equals("X"))||(a31.equals("O"))){

if((a32.equals("X"))||(a32.equals("O"))){

if((a33.equals("X"))||(a33.equals("O"))){

JOptionPane.showMessageDialog(null,"DRAW MATCH");

count=0;

jButton1.setText("");

jButton1.setEnabled(true);

jButton2.setText("");

jButton2.setEnabled(true);

jButton3.setText("");

jButton3.setEnabled(true);

jButton4.setText("");

jButton4.setEnabled(true);

jButton5.setText("");

jButton5.setEnabled(true);

jButton6.setText("");

jButton6.setEnabled(true);

jButton7.setText("");

jButton7.setEnabled(true);

jButton8.setText("");

jButton8.setEnabled(true);

jButton9.setText("");

jButton9.setEnabled(true);

}

}

}

}

}

}

}

}

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(TIC\_TAC\_TOE.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(TIC\_TAC\_TOE.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(TIC\_TAC\_TOE.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(TIC\_TAC\_TOE.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new TIC\_TAC\_TOE().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private javax.swing.JButton jButton5;

private javax.swing.JButton jButton6;

private javax.swing.JButton jButton7;

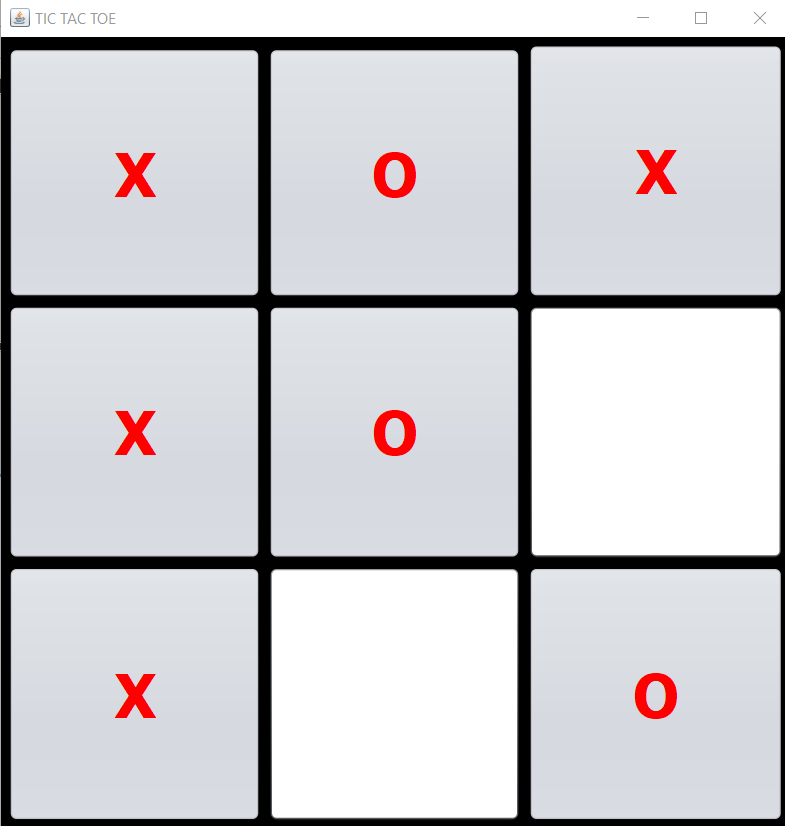
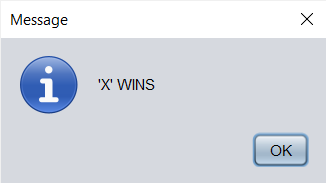
private javax.swing.JButton jButton8;

private javax.swing.JButton jButton9;

private javax.swing.JPanel jPanel1;

// End of variables declaration

}

**OUTPUT:**

