ASSINGMENT-4 APPLICATIONS

SUBMITTED BY: - KANISHK

CLASS: - CSE-37

ROLL NO: - 2205130

1. NOTEPAD INPUT: -

```
🔀 File Edit Selection View Go Run …
             J tic_tac_toe.java ×
              J tic_tac_toejava > ♣ tic_tac_toe > ♠ xTurn

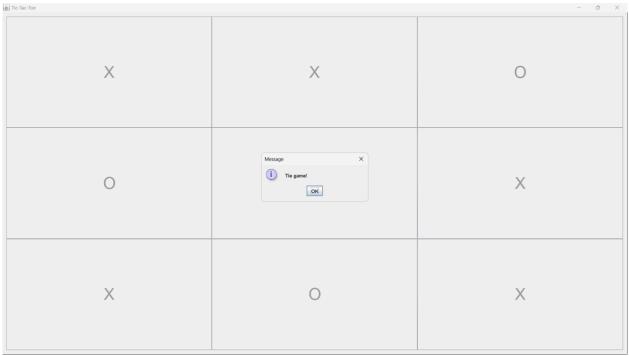
import javax.swing.*;

import java.awt.*;

import java.awt.event.*;
                           public class tic_tac_toe implements ActionListener {
    private JPame frame;
    private JPamel panel;
    private JButton[] buttons = new JButton[9];
    private boolean XTurn = true;
    public tic_tac_toe() {
        frame = new JFrame(title: "Tic-Tac-Toe");
        frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    }
}
frame.setOefaultCloseOperation()Frame.EXIT_ON_CLOSE);
panel = new JPanel();
panel.setLayout(new GridLayout(rows:3, cols:3));
panel.setBorder(BorderFactory.createEmptyBorder(top:10, left:10, bottom:10, right:10));
for (int i = 0; i < 9; i++) {
   buttons[i] = new JButton();
   buttons[i] = new JButton();
   buttons[i].setFont(new Font(name:"Arial", Font.PLAIN, size:40));
   buttons[i].addActionListener(this);
   panel.add(buttons[i]);
}</pre>
                                 frame.add(panel, BorderLayout.CENTER);
frame.setSize(width:400, height:400);
frame.setVisible(b:true);
                              public void actionPerformed(ActionEvent e) {
    JButton button = (JButton) e.getSource();
                                 if (xTurn) {
  button.setText(text:"X");
                                  } else {
button.setText(text:"0");
£53
                                                                                                                                                                                                                                                                                    📢 File Edit Selection View Go Run …

∠ Java Development

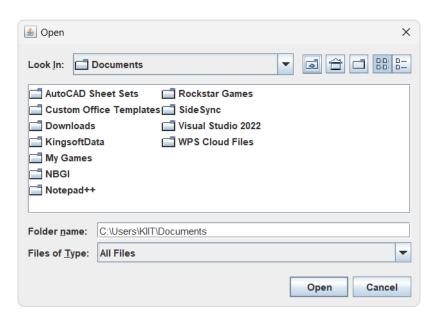
             J tic_tac_toe.java X
                 5  public class tic_tac_toe implements ActionListener {
26   public void actionPerformed(ActionEvent e) {
                                button.setEnabled(b:false);
                               xTurn = !xTurn;
checkForWinner();
                             }
public void checkForWinner() {
  for (int i = 0; i < 9; i += 3) {
    if (checkRowCol(i) || checkRowCol(i % 3)) {</pre>
if (checkDiagonal(start:0) || checkDiagonal(start:2)) {
                                  }
boolean tie = true;
for (JButton button : buttons) {
   if (button.isEnabled()) {
      tie = false;
      break;
}
                                     JOptionPane.showMessageDialog(frame, message:"Tie game!");
resetGame();
```



2.FOLDER_OPENER INPUT: -

```
| Tile | total | Selection | View | Com Rum | Teminal | Neiph | Selection | Para | District | Dis
```

Open Folder



3.CALCULATOR APP INPUT: -

```
import java.ant.veent.ActionEvent;

import java.ant.veent.ActionEvent;

public class CalculatorApp extends JFrame implements ActionListener 
private Trotfield display;

private Trotfield display;

private String operator = ";

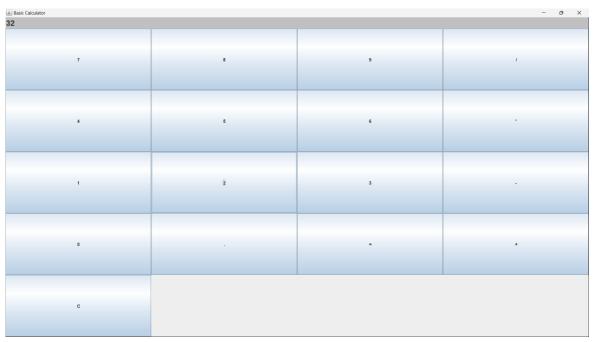
public CalculatorApp();

display setterite();

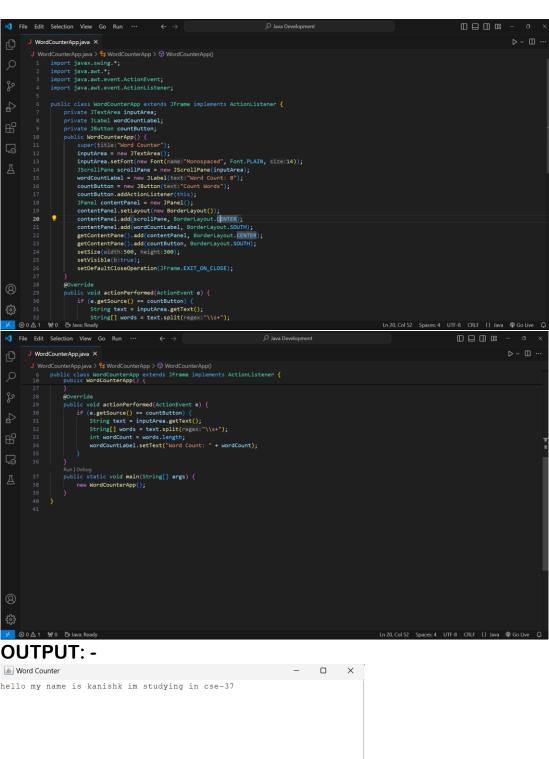
display = new JTottfield();

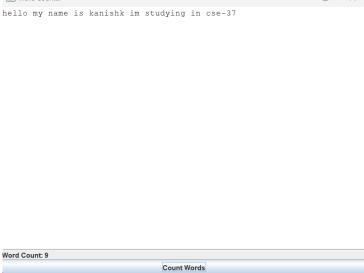
display.settefield();

display.settefiel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       @ goverride
public void action@erformed(ActionEvent e) {
    string command == _eptActionCommand();
    if (character.isDigit(command.charAt(indexe))) {
        display.setText(display.getText() + command);
    } else if (command.chapa(snob)sett="") {
        if (ldisplay.getText().contains(s:"")) {
            display.setText(display.getText() + "");
        }
```



4. WORD_COUNTER_APP. INPUT: -





```
J SimpleMostipacidjion 1 X

J SimpleMostipacidjion > % simpleMostipacid > @ main(String))

12 public class SimpleMostipacid extends J Frame implements ActionListener {

90 public vida actionPerformed(ActionEvent e) {

10 | MenuItem source = (JMenuItem) (e.getSource());

11 | f (source = modelmuItem) {

12 | textMrea.setLox((::");

13 | curnentfile = ";

14 | else if (source = modelmuItem) {

15 | openfile();

16 | openfile();

17 | openfile();

18 | openfile();

19 | openfile();

10 | openfile();

10 | openfile();

11 | source = modelmuItem) {

12 | findfext();

13 | replace(set();

14 | observe = modelmuItem) {

15 | replace(set();

16 | observe = modelmuItem) {

17 | replace(set();

18 | observe = modelmuItem) {

19 | observe = modelmuItem) {

19 | observe = modelmuItem) {

10 | observe = modelmuItem {

11 | observe = modelmuItem {

12 | observe = modelmuItem {

13 | observe = modelmuItem {

14 | observe = modelmuItem {

15 | observe = modelmuItem {

16 | observe = modelmuItem {

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19 | observe = modelmuItem {

10 | observe = modelmuItem {

10 | observe = modelmuItem {

11 | observe = modelmuItem {

12 | observe = modelmuItem {

13 | observe = modelmuItem {

14 | observe = modelmuItem {

15 | observe = modelmuItem {

16 | observe = modelmuItem {

17 | observe = modelmuItem {

18 | observe = modelmuItem {

                                                                                                                                                                                                                                                                     }

private void replaceText() {
    String searchTerm = DiptionFame.showInputDialog(this, message:"Enter text to find:", title:"Replace", DiptionFame.PLAIR_MESSAGE);
    String replaceTerm = DiptionFame.showInputDialog(this, message:"Enter text to replace with:", title:"Replace", DiptionFame.PLAIR_MESSAGE);
    if (searchTerm = mull &A issearchTerm.Stripty() &A replaceTerm = null) {
        int pos = 0;
        while (pos = textArea.getText().indexdf(searchTerm, pos)) != -1) {
            textArea.replaceTerm.length();
            pos += replaceTerm.length();
        }
    }
}
                                                                                                                                                                                                                                                                 private void findicxt() (

String sarchirms = NotionPane.sboalToyutDialog(this, message:"Enter
if (searchirms != rull i& !searchirms.isEmpty()) (

int position = 1-1) (

toxtArea.setSelectionStart(position);

toxtArea.setSelectionStart(position);

toxtArea.setSelectionEnd(position + searchirms.length());

| else |
```

```
vate void saweAsFile() {
    #FileChooser fileChooser - new #FileChooser();
    #FileChooser fileChooser - new #FileChooser();
    #FileChooser.sctfileFileChooser.sctfileFileChooser.sctfileFileChooser.sctfileFileChooser.sctfileFileChooser.sctfileFileChooser.sctfileFileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser.sctfileChooser
                                          Edit Selection View Go Run Terminal Help \leftarrow \rightarrow
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 D
                                                                                                                                                                                                                filestth += ".txt";
}
try {
fileseiter writer = new Fileseiter(filesath);
Ellseiter writer = new Bufferederiter(writer);
bu.crite(textraca.getrext());
bu.close();
writer.close();
currentfile = fileseth;
JoptionPane.showMessageOlalog(this, message:"File saved successfully!", title:"Success", JOptionPane.INFORMATION_MESSAGE);
} catch (exception ex) {
exc.printSackTrace();
JOptionPane.showMessageOlalog(this, message:"Error saving file!", title:"Error", JOptionPane.ERROR_MESSAGE);
}
```

