

TUGAS PRA PERTEMUAN 10 OBJECT ORIENTED PROGRAMMING

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1. Open button event

```
private void openMenuActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    fileChooser = new JFileChooser();  
    fileChooser.setCurrentDirectory(new  
File(System.getProperty("user.home")));  
    int result = fileChooser.showOpenDialog(this);  
    BufferedReader reader;  
    StringBuilder stringBuilder = new StringBuilder();  
    if (result == JFileChooser.APPROVE_OPTION) {  
        File file = fileChooser.getSelectedFile();  
        try {  
            reader = new BufferedReader(new FileReader(file));  
            String line;  
            while ((line = reader.readLine()) != null) {  
                stringBuilder.append(line);  
                stringBuilder.append(System.lineSeparator());  
            }  
            reader.close();  
            jTextArea1.setText(stringBuilder.toString());  
        } catch (IOException e) {  
            JOptionPane.showMessageDialog(this, e.getMessage());  
        }  
    }  
    this.setTitle(fileChooser.getSelectedFile().getName());  
}
```

2. Save Menu Event

```
private void saveMenuActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    try {  
        if (fileChooser == null) {  
            fileChooser = new JFileChooser();  
            int results = fileChooser.showSaveDialog(this);  
        }  
        String fileName = fileChooser.getSelectedFile().getAbsolutePath();  
        FileWriter writer = new FileWriter(fileName);  
        writer.write(jTextArea1.getText());  
        writer.close();  
        JOptionPane.showMessageDialog(this, "File berhasil disimpan.");  
        this.setTitle(fileChooser.getSelectedFile().getName());  
    } catch (Exception e) {  
        JOptionPane.showMessageDialog(this, e.getMessage());  
    }  
}
```

3. Clear Button Event

```
private void clearButtonActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    jTextArea1.setText("");  
}
```

4. Save Button Event

```

private void saveButtonActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        JFileChooser fileChooser = new JFileChooser();
        int result = fileChooser.showSaveDialog(this);
        if (result == JFileChooser.APPROVE_OPTION) {
            String fileName =
fileChooser.getSelectedFile().getAbsolutePath();
            FileWriter writer = new FileWriter(fileName);
            writer.write("Hasil proses
text"+System.lineSeparator()+"====="+System.lineSeparator());
            writer.write("Jumlah Karakter (tanpa spasi) :
"+karakterTxt.getText()+System.lineSeparator());
            writer.write("Jumlah Baris :
"+barisTxt.getText()+System.lineSeparator());
            writer.write("Jumlah Huruf Vokal :
"+vokalTxt.getText()+System.lineSeparator());
            writer.write("Jumlah Huruf Konsonan :
"+konsonanTxt.getText()+System.lineSeparator());
            writer.close();
            JOptionPane.showMessageDialog(null, "File berhasil disimpan.");
        }
    } catch (Exception e) {
        JOptionPane.showMessageDialog(this, e.getMessage());
    }
}

```

5. Proses Button Event

```

private void prosesButtonActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        int wordCount = 0;
        int lineCount = 0;
        int vowelCount = 0;
        int consonantCount = 0;
        String[] lines = jTextArea1.getText().split("\r\n|\r|\n");
        lineCount = lines.length;

        String[] words = jTextArea1.getText().split("\\s+");
        wordCount = words.length;

        for (int i = 0; i < jTextArea1.getText().length(); i++) {
            char ch = jTextArea1.getText().charAt(i);
            if (Character.isLetter(ch)) {
                if (isVowel(ch)) {
                    vowelCount++;
                } else {
                    consonantCount++;
                }
            }
        }

        barisTxt.setText(Integer.toString(lineCount));
        vokalTxt.setText(Integer.toString(vowelCount));
        konsonanTxt.setText(Integer.toString(consonantCount));
        karakterTxt.setText(Integer.toString(wordCount));
        JOptionPane.showMessageDialog(this, "Berhasil");
    } catch (Exception e) {
    }
}

```

```
JOptionPane.showMessageDialog(this,e.getMessage());  
}  
}
```

6. Hasil :



