

Answer on Question #60930, Programming & Computer Science

i have an assignment to create a subject marks calculator in java netbeans, I've already done the GUI which includes the labels : mark, total, percentage, textfields for those 3. i have to find the percentage and the coding must be done in a calculate button and the percentage must appear in the percentage label when running the program. This is the code i have :

```
public static void main(String[] args){
int total, score;
float percentage;
Scanner inputNumScanner = new Scanner(System.in);

System.out.println("Enter the total, or max, score: ");
total = inputNumScanner.nextInt();

System.out.println("Enter the score obtained: ");
score = inputNumScanner.nextInt();

percentage = (score * 100/ total);

System.out.println("The percentage is = " + percentage + " %");
}
```

but the problem is that it is not appearing in the GUI.

Solution.

XML FORM:

```
<?xml version="1.0" encoding="UTF-8"?>

<form xmlns="http://www.intellij.com/uideigner/form/" version="1" bind-to-
class="sample.MainClass.MainForm">

  <grid id="27dc6" binding="Calculator" layout-manager="GridLayoutManager" row-count="7" column-
count="4" same-size-horizontally="false" same-size-vertically="false" hgap="-1" vgap="-1">

    <margin top="0" left="0" bottom="0" right="0"/>

    <constraints>

      <xy x="372" y="453" width="500" height="400"/>

    </constraints>

    <properties/>

    <border type="none"/>

    <children>

      <component id="a9cd3" class="javax.swing.JButton" binding="button1" default-binding="true">

        <constraints>

          <grid row="4" column="0" row-span="1" col-span="4" vsize-policy="0" hsize-policy="3" anchor="0"
fill="1" indent="0" use-parent-layout="false"/>

        </constraints>
```

```
<properties>

  <text value="Calculate"/>

</properties>

</component>

<component id="b9d66" class="javax.swing.JTextField" binding="textField1" default-binding="true">

  <constraints>

    <grid row="1" column="0" row-span="1" col-span="4" vsize-policy="0" hsize-policy="6" anchor="8"
fill="1" indent="0" use-parent-layout="false">

      <preferred-size width="150" height="-1"/>

    </grid>

  </constraints>

  <properties>

    <text value=""/>

  </properties>

</component>

<component id="41837" class="javax.swing.JLabel">

  <constraints>

    <grid row="0" column="0" row-span="1" col-span="1" vsize-policy="0" hsize-policy="0" anchor="8"
fill="0" indent="1" use-parent-layout="false"/>

  </constraints>

  <properties>

    <text value="Mark"/>

  </properties>

</component>

<component id="576dc" class="javax.swing.JTextField" binding="textField2" default-binding="true">

  <constraints>

    <grid row="3" column="0" row-span="1" col-span="4" vsize-policy="0" hsize-policy="6" anchor="8"
fill="1" indent="0" use-parent-layout="false">

      <preferred-size width="150" height="-1"/>

    </grid>
```

```
</constraints>

<properties/>

</component>

<component id="d1074" class="javax.swing.JLabel">

  <constraints>

    <grid row="2" column="0" row-span="1" col-span="1" vsize-policy="0" hsize-policy="0" anchor="8"
fill="0" indent="0" use-parent-layout="false"/>

  </constraints>

  <properties>

    <text value="Total"/>

  </properties>

</component>

<component id="d47ed" class="javax.swing.JLabel">

  <constraints>

    <grid row="5" column="0" row-span="1" col-span="1" vsize-policy="0" hsize-policy="0" anchor="8"
fill="0" indent="0" use-parent-layout="false"/>

  </constraints>

  <properties>

    <text value="percentage"/>

  </properties>

</component>

<component id="37e36" class="javax.swing.JTextField" binding="textField3" default-binding="true">

  <constraints>

    <grid row="6" column="0" row-span="1" col-span="4" vsize-policy="0" hsize-policy="6" anchor="8"
fill="1" indent="0" use-parent-layout="false">

      <preferred-size width="150" height="-1"/>

    </grid>

  </constraints>

  <properties/>

</component>
```

</children>

</grid>

</form>

```
package sample;
import javax.swing.*;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
public class MainClass {
    public static void main(String[] args)
    {
        MainForm frame = new MainForm();
    }
    public static class MainForm extends JFrame {
        private JPanel Calculator;
        private JButton button1;
        private JTextField textField1;
        private JTextField textField2;
        private JTextField textField3;
        private String String1, String2;
        public MainForm() {
            setContentPane(Calculator);
            button1.addActionListener(new ActionListener() {
                @Override
                public void actionPerformed(ActionEvent e) {
                    String1=textField1.getText();
                    String2=textField2.getText();
                    textField3.setText("The percentage is = " +
Calculate(String1,String2) + " %");
                }
            });
            setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
            setPreferredSize(new Dimension(500, 250));
            pack();
            setVisible(true);
        }
        public String Calculate(String str1, String str2)
        {
            System.out.println(str1);
            double Mark=Double.parseDouble(str1),
Total=Double.parseDouble(str2);
            return Double.toString(Mark*100/Total);
        }
    }
}
```

