

## COMP2396B Tutorial 7 Exercise

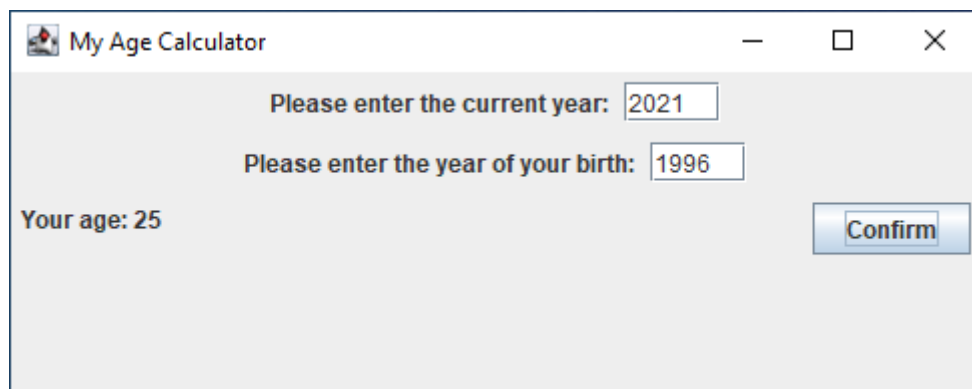
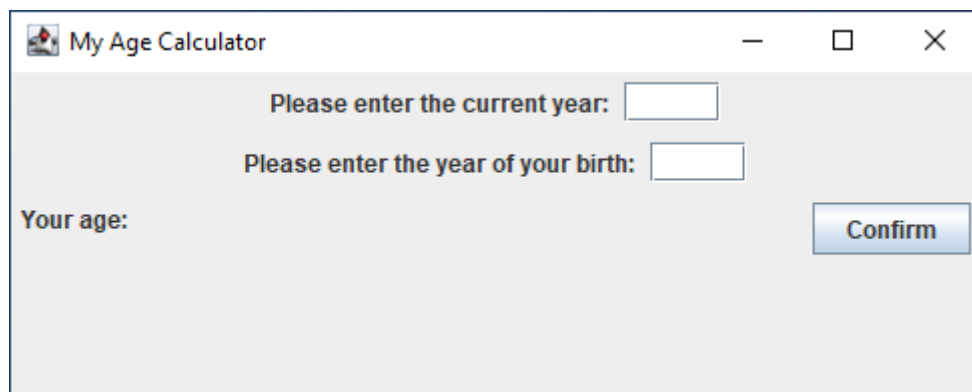
### GUI, Event handling, Swing components

Write a Java program with GUI that calculates your age as described below:

Requirement:

- A TextField for inputting the current year.
- A TextField for inputting the year of your birth.
- A Label to display your calculated age.
- A Button for confirming the input information. When it is clicked, the age is calculated by  $\text{current\_year} - \text{year\_of\_birth}$ . The result is then displayed on a label.

You can design the layout as follow:



Hints:

- To retrieve the current text contained by a TextField, call the `getText()` of the TextField object. It will return the text in String.
- To update the text displayed by a Label, call `setText(String)` of the Label object.
- To align a UI element in the center, set the layout constraint to **BorderLayout.CENTER**.