

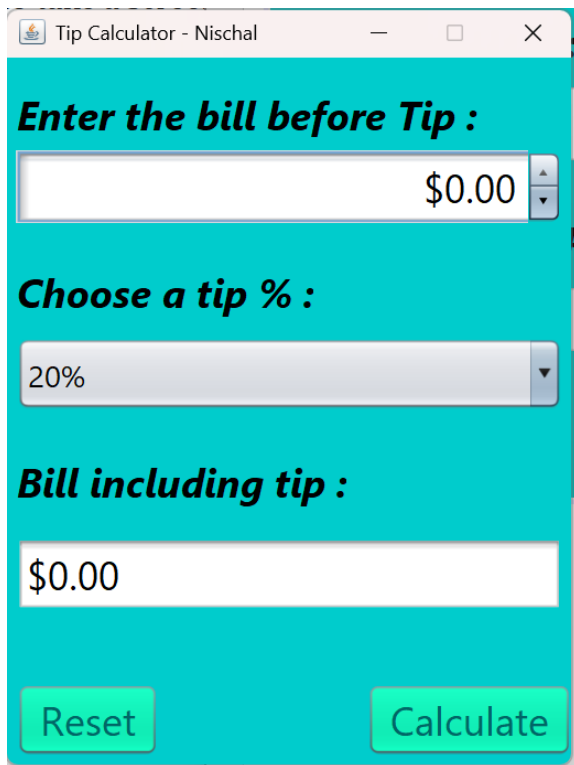
Object Oriented Programming

Prof. Fred Stiebler

ICE-8

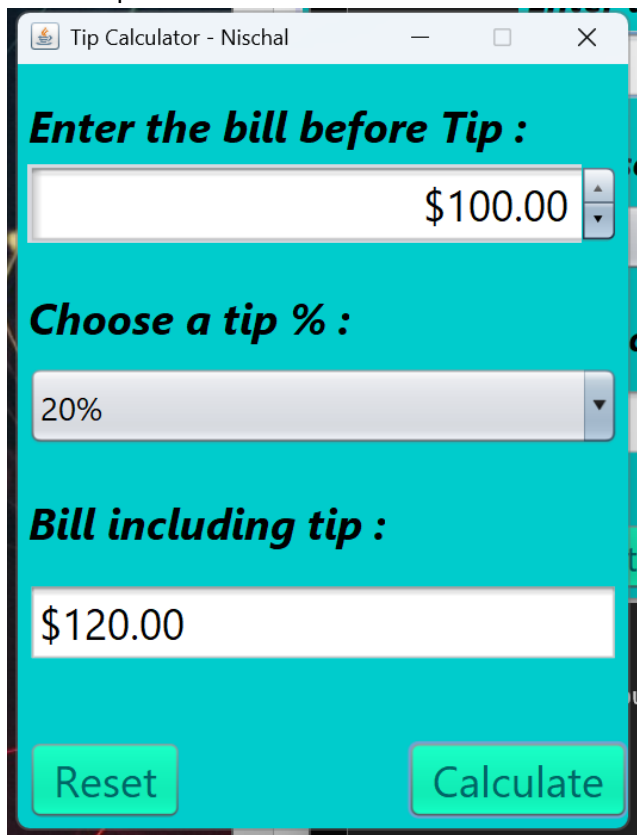
Nischal Shrestha Kasula

SS: 1 Initial screen, which is what you see as soon as the app is open



The screenshot shows the initial state of the 'Tip Calculator - Nischal' application. The interface has a teal background. At the top, there's a title bar with the app's name and standard window controls. Below the title bar, the text 'Enter the bill before Tip :' is displayed in a bold, italicized black font. Underneath this text is a text input field containing '\$0.00'. The next section is labeled 'Choose a tip % :' in the same bold, italicized black font, followed by a dropdown menu currently set to '20%'. The third section is labeled 'Bill including tip :' in bold, italicized black font, with a corresponding text input field showing '\$0.00'. At the bottom of the form, there are two buttons: 'Reset' and 'Calculate', both with a light green gradient and rounded corners.

SS:2 Output in the GUI



This screenshot shows the same 'Tip Calculator - Nischal' application after a calculation. The 'Enter the bill before Tip :' input field now contains '\$100.00'. The 'Choose a tip % :' dropdown menu remains at '20%'. The 'Bill including tip :' input field now displays '\$120.00', which is the sum of the bill and the 20% tip. The 'Reset' and 'Calculate' buttons are still present at the bottom.

SS:3 Output in the GUI after reset

Tip Calculator - Nischal

Enter the bill before Tip :

\$100.00

Choose a tip % :

30%

Bill including tip :

\$130.00

Reset Calculate

QUESTION 1 – What is a Spinner component (widget) in Java?

It lets users pick a value from a sequence (like numbers or dates) using arrows to scroll.

QUESTION 2 – What is a Combo Box component (widget) in Java?

It is a drop-down list that shows multiple options; users can select one or type their own.

QUESTION 3 – What is a read-only (not-editable) component (widget)?

It means its content can't be changed by the user, like a JLabel or a non-editable JTextField.