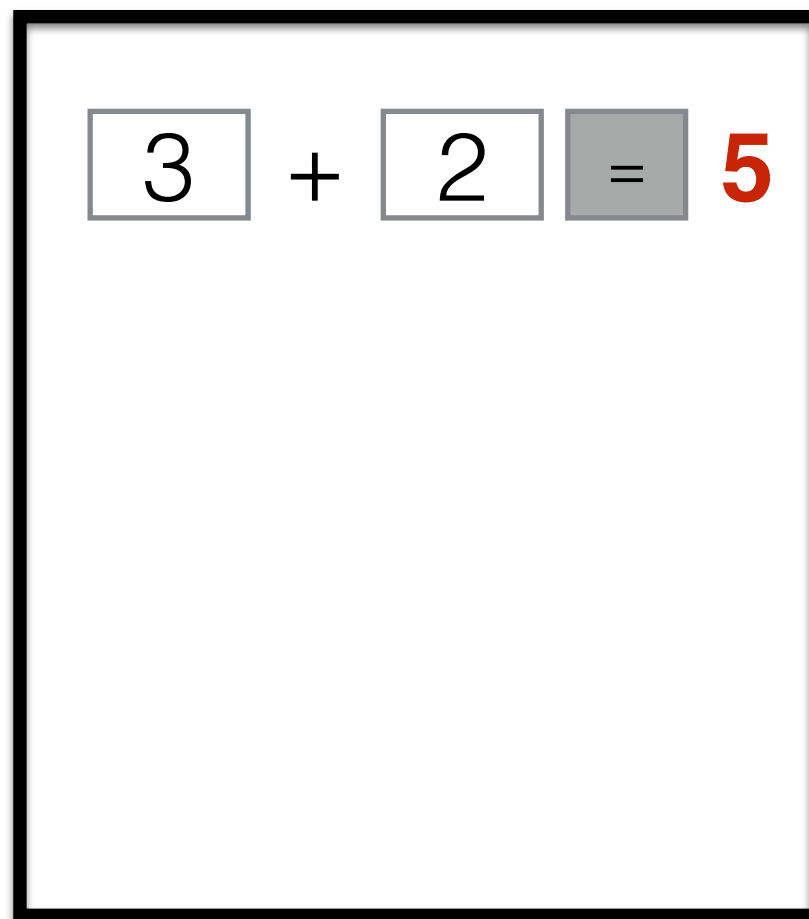


# Exercises

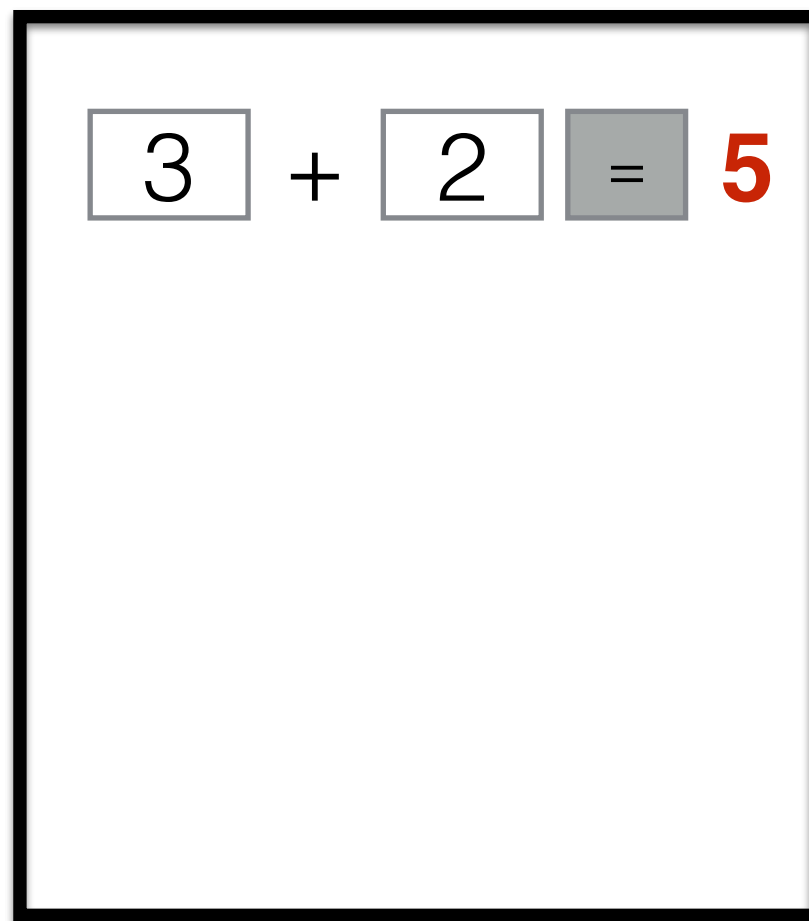
# Ex 1

- Implement a simple calculator with a Linear Layout



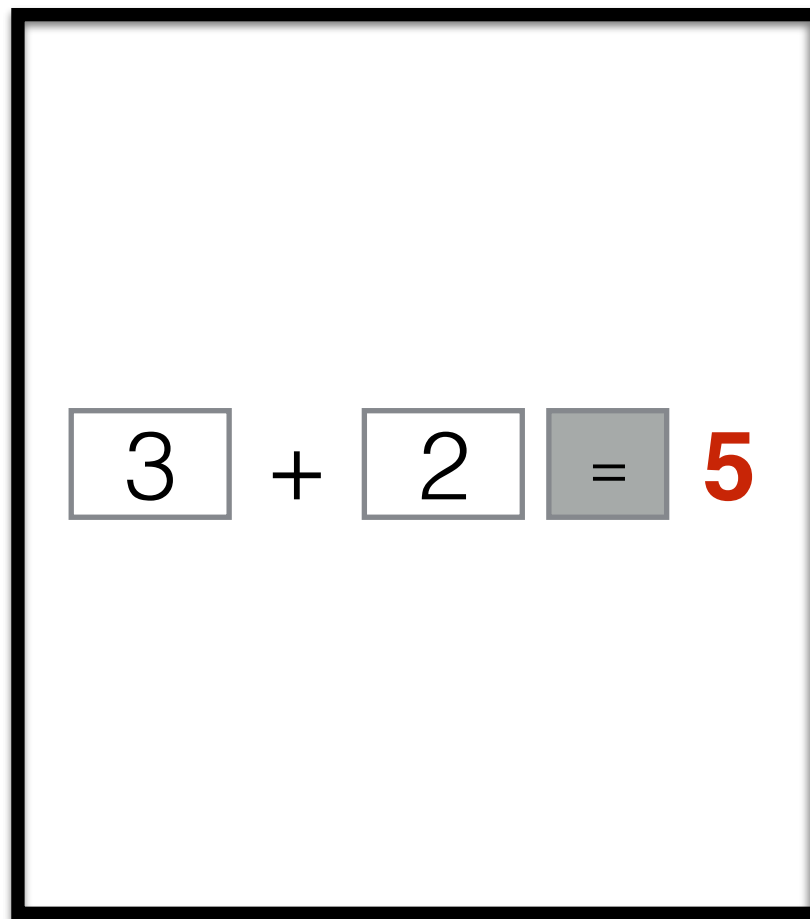
# Ex 2

- Implement a simple calculator with a Constraint Layout



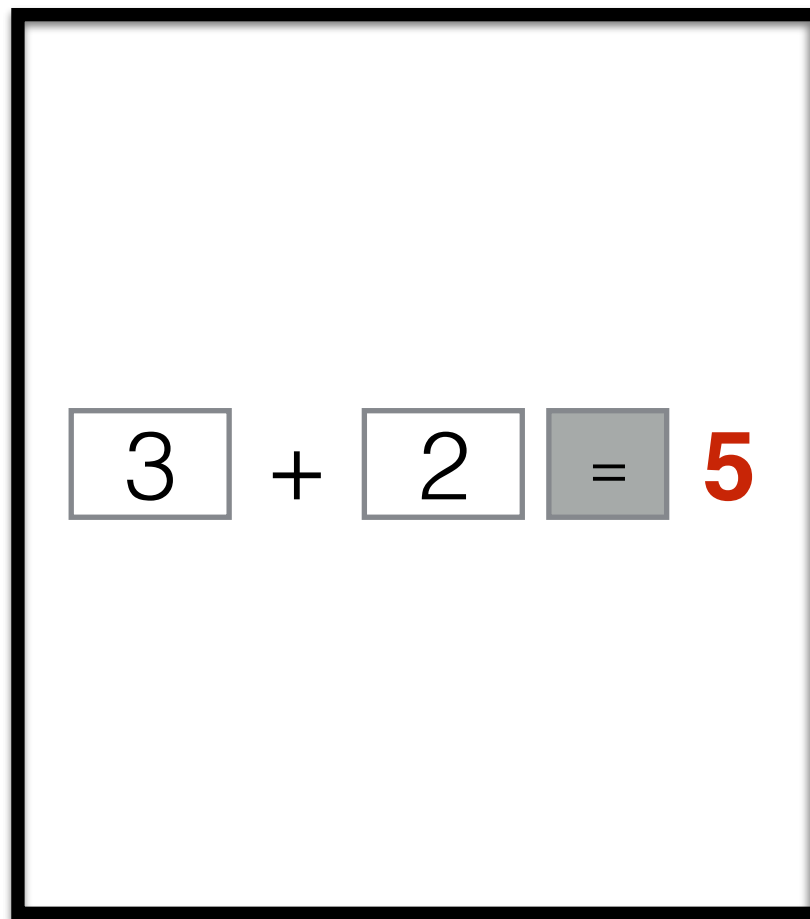
# Ex 3

- Implement a *centered* simple calculator using only LinearLayout



# Ex 4

- Implement a *centered* simple calculator using only ConstraintLayout



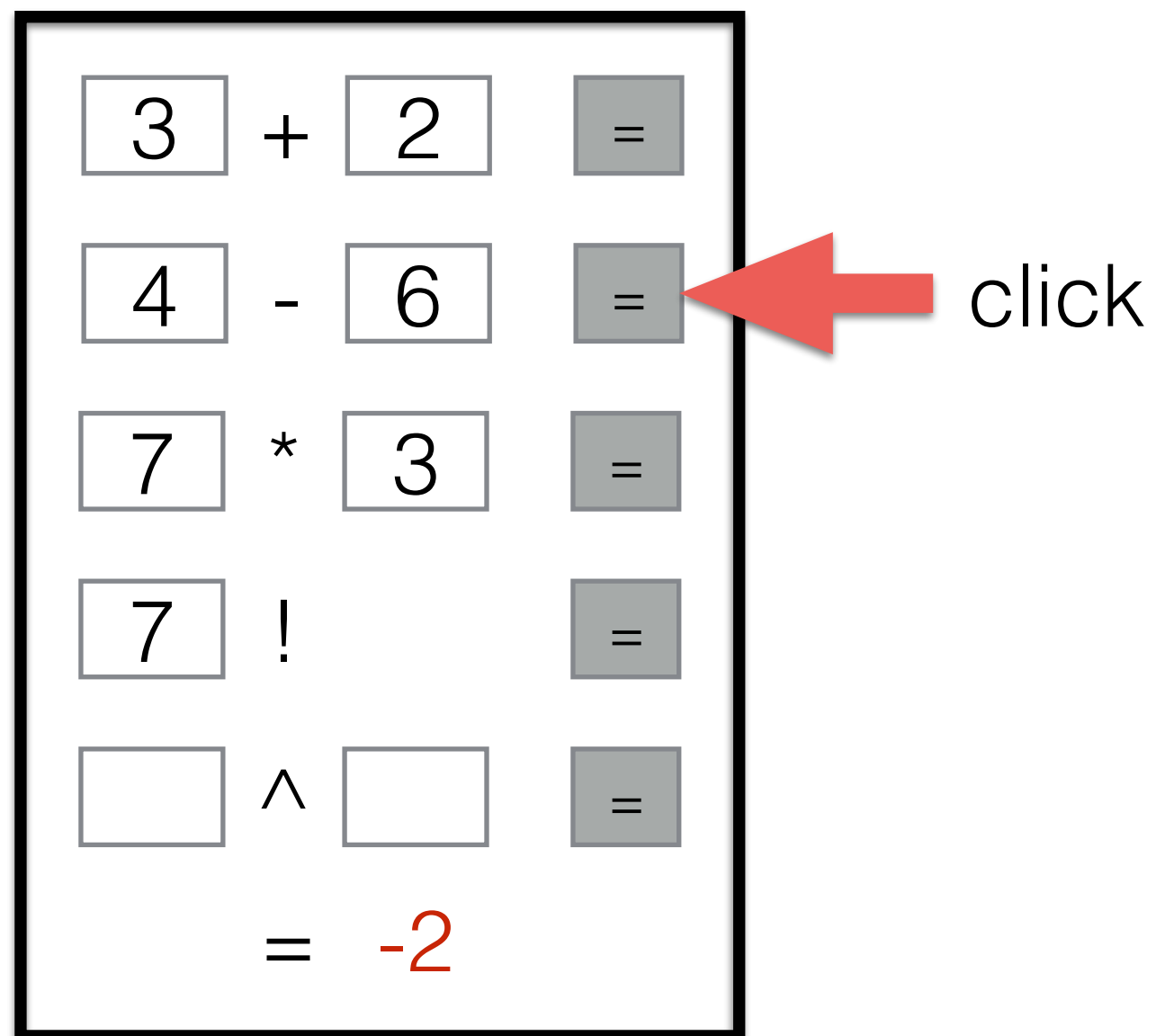
# Ex 5

- Implement the following calculator using only a RelativeLayout

The diagram illustrates a calculator layout within a black rectangular frame. It features three horizontal input fields stacked vertically. The first field contains the number '3', the second contains '2', and the third contains '7'. To the right of the first two fields is a '+' sign, and to the right of the third field is a grey button with an '=' sign. Below these fields, the number '12' is displayed in a large, bold, red font.

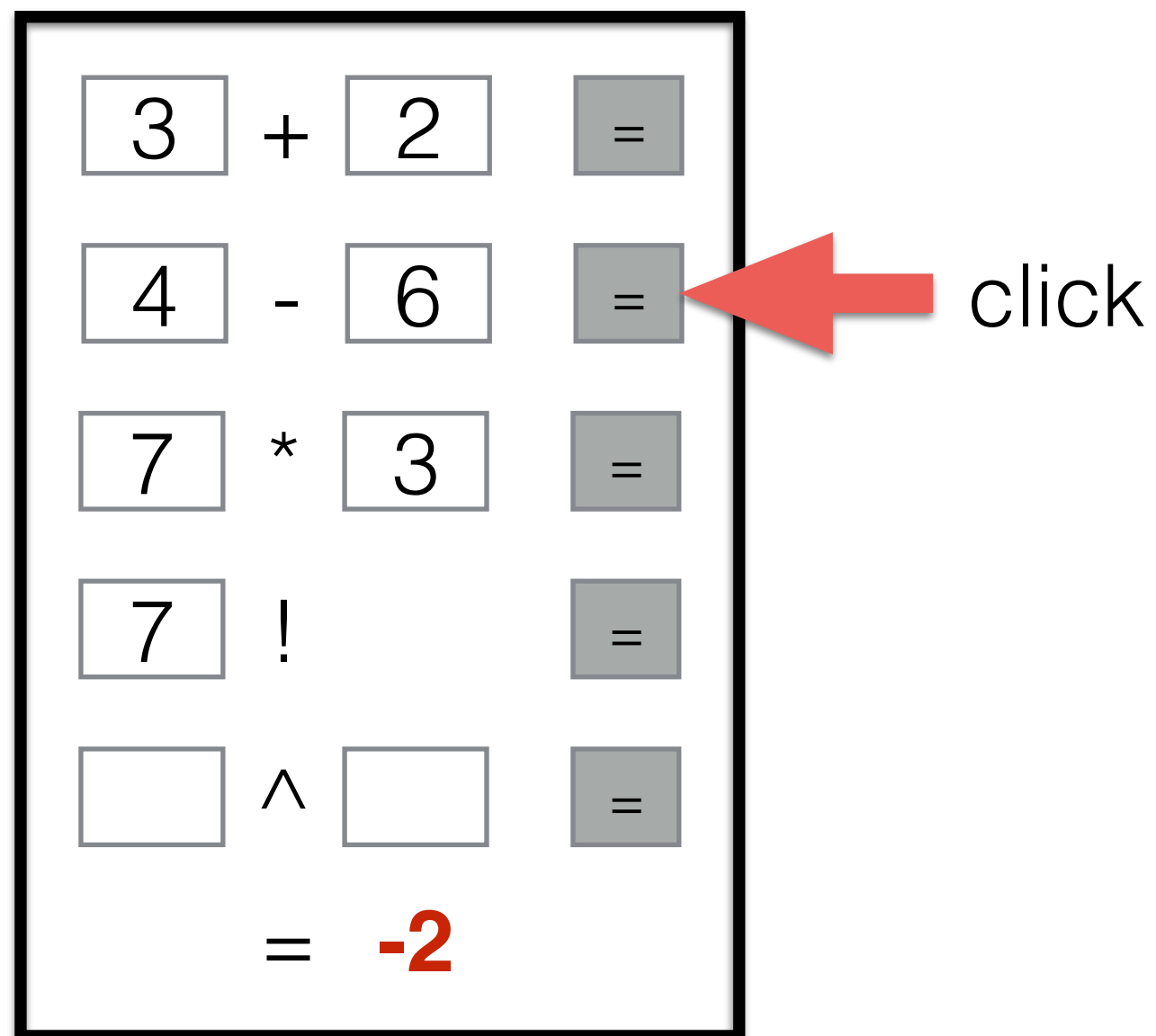
# Ex 6

- Implement a complete calculator



# Ex 7

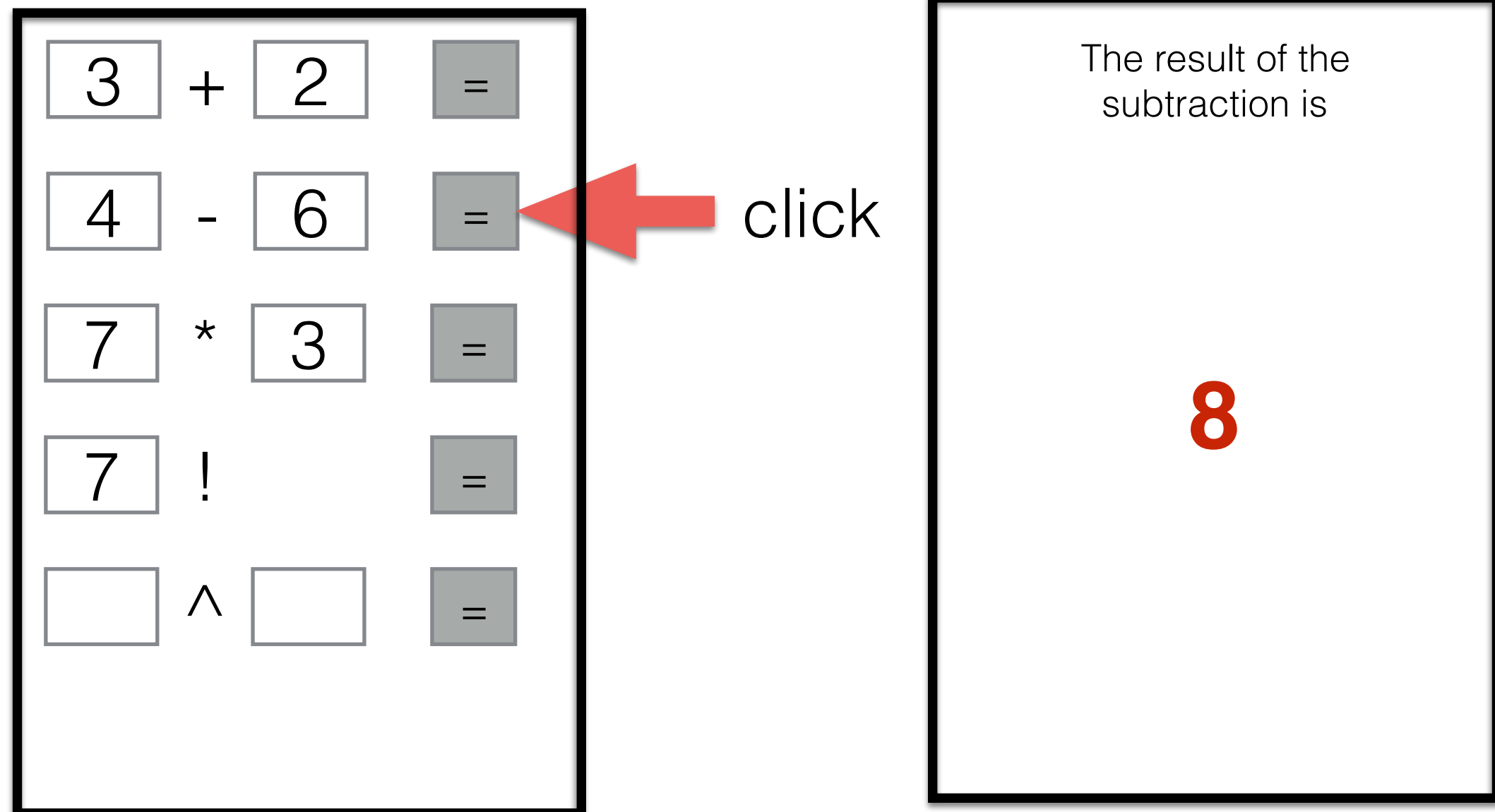
- Implement a complete calculator with TableLayout





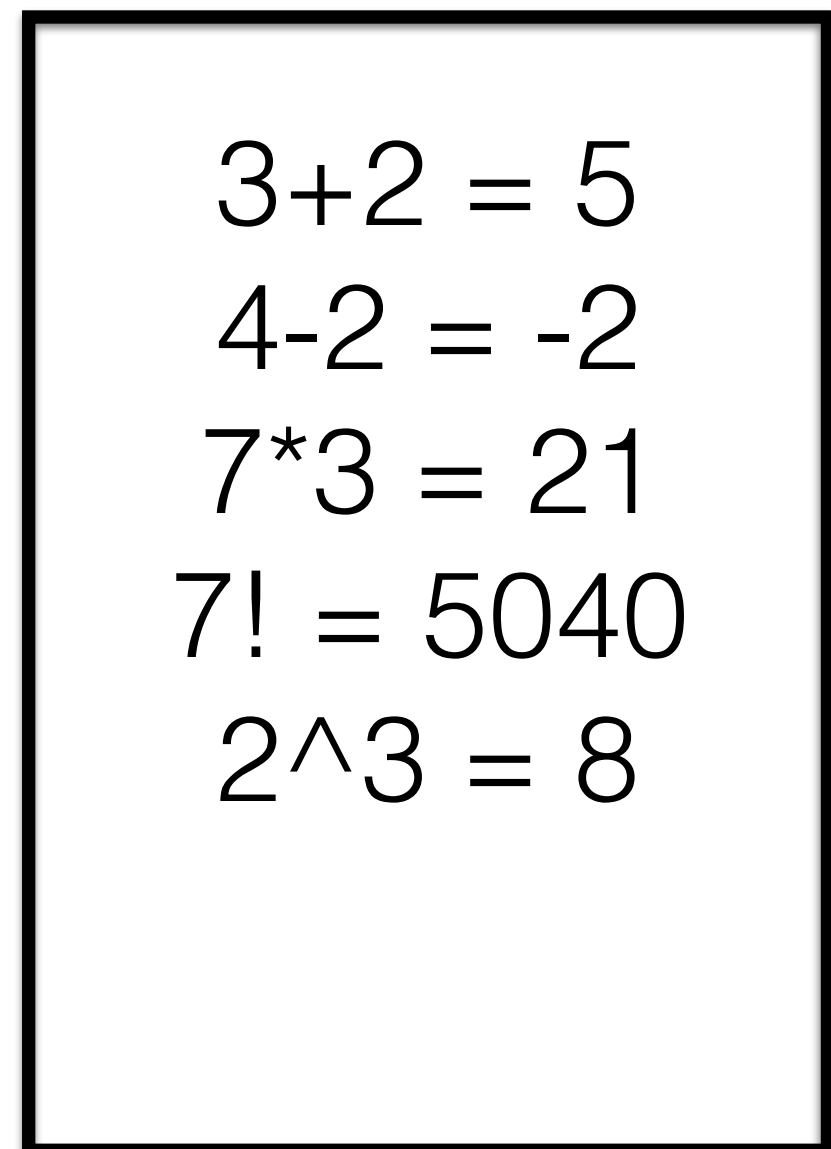
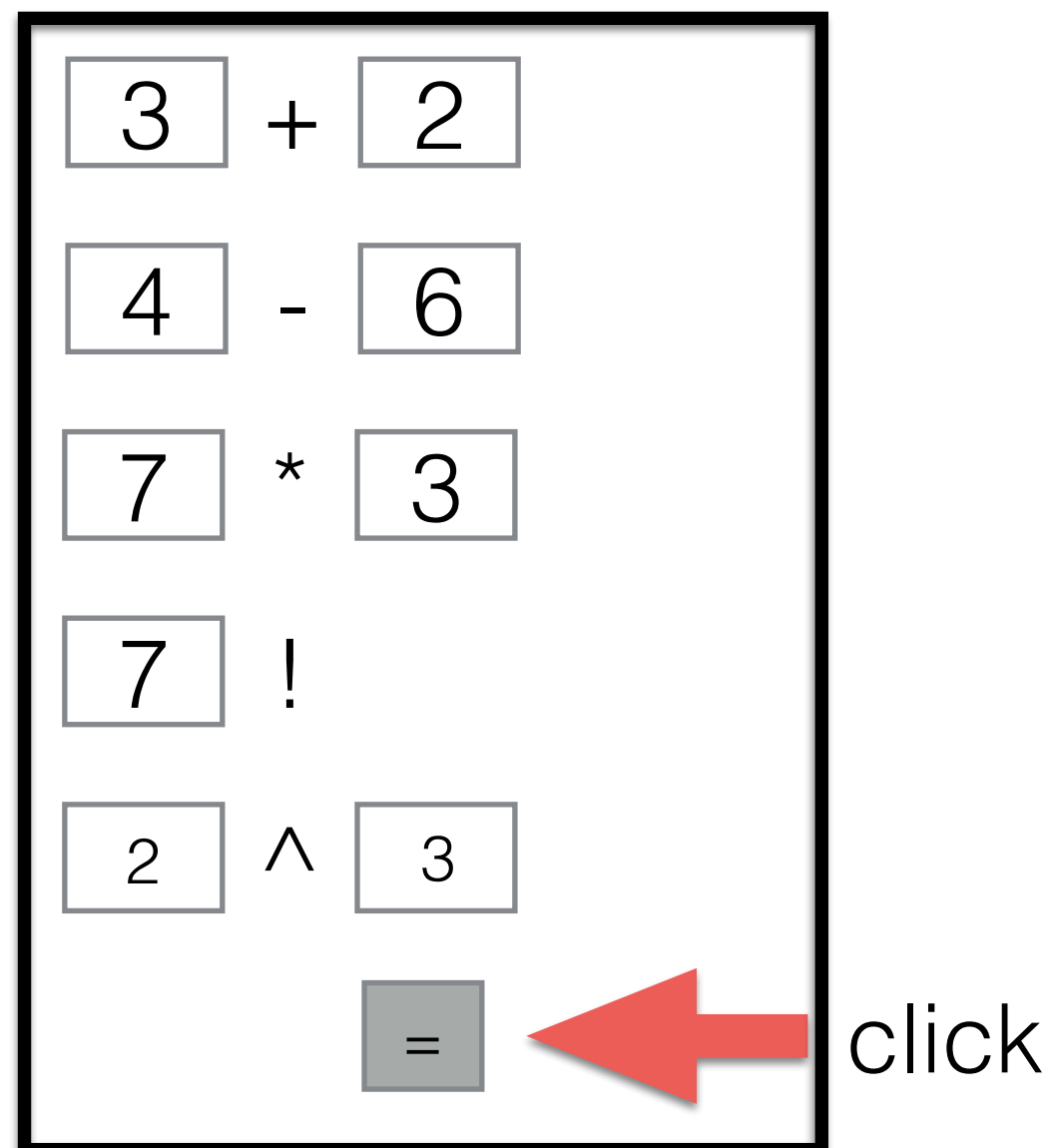
# Ex 8

- Implement a complete calculator and display the result of an operation in a different screen



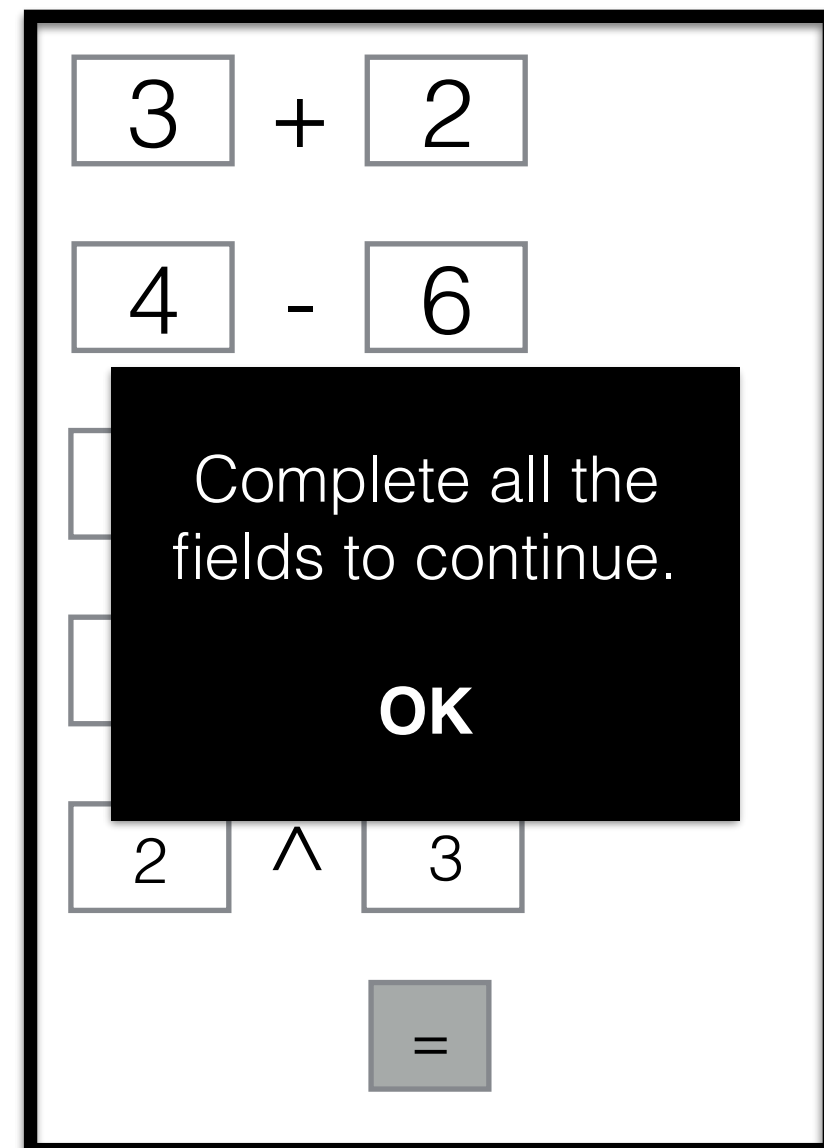
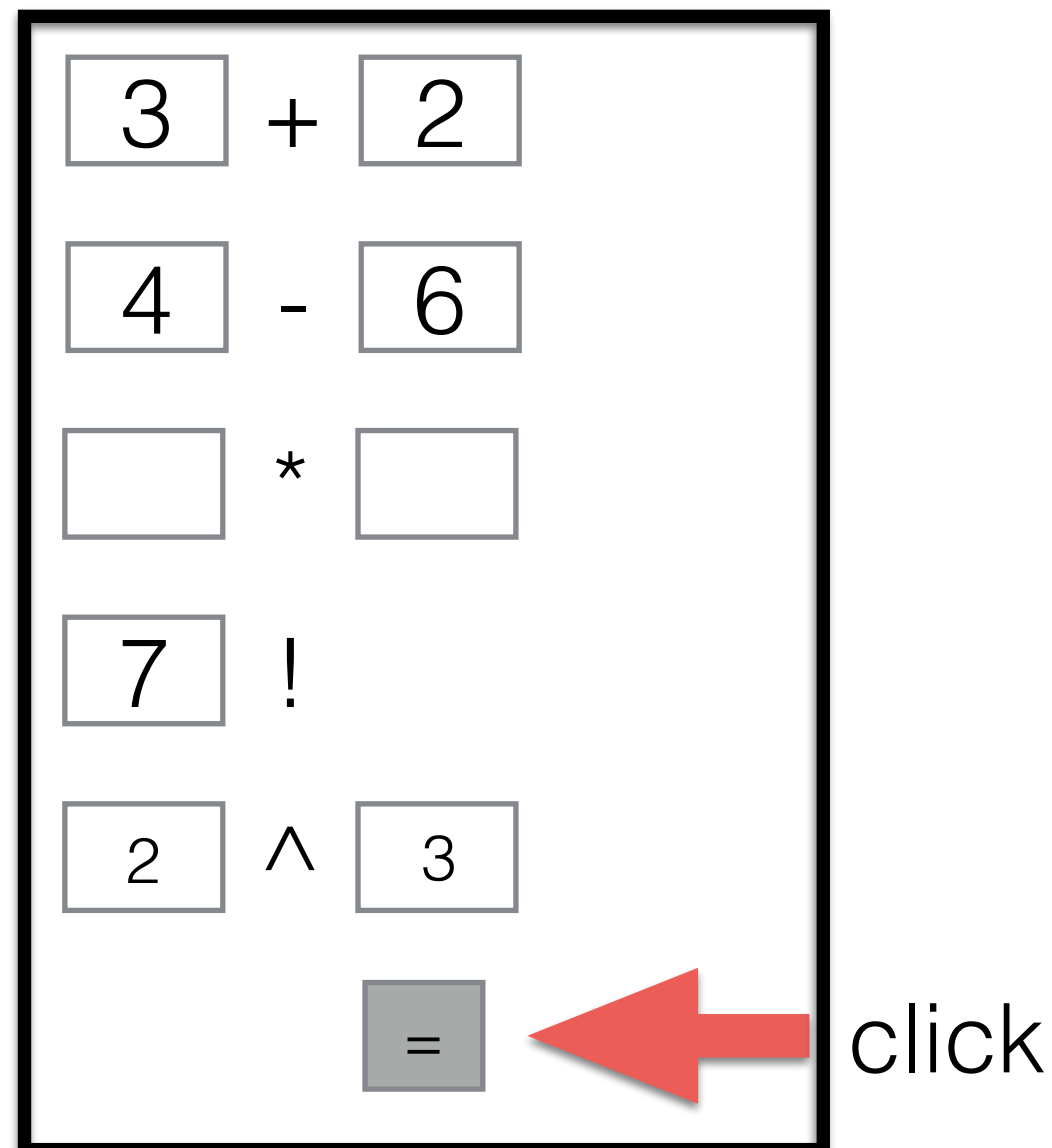
# Ex 9

- Implement a complete calculator and display the result of all the operations in a different screen with a ListView



# Ex 10

- Implement a complete calculator and display the result of all the operations in a different screen with a ListView
- Warn a user with an Alert Dialog if any of the field is empty



# Ex 11

- Create a Movie model class with two ivars: *title* and *director*
- Subclass ArrayAdapter to obtain the following layout

**Kill Bill**

*Quentin Tarantino*

**Youth**

*Paolo Sorrentino*

**Melancholia**

*Lars Von Trier*

**Melancholia**

*Lars Von Trier*