

109590003 HW2 Question

Question 1

Which two layout constraint attributes on the **Zero** `Button` position it vertically equal distance between the other two `Button` elements? (Pick 2 answers.)

- `app:layout_constraintBottom_toTopOf="@+id/button_count"`
- `android:layout_marginBottom="8dp"`
- `android:layout_marginStart="16dp"`
- `app:layout_constraintTop_toBottomOf="@+id/button_toast"`
- `android:layout_marginTop="8dp"`

Answer 1

- `app:layout_constraintBottom_toTopOf="@+id/button_count"`
- `app:layout_constraintTop_toBottomOf="@+id/button_toast"`

Question 2

Which layout constraint attribute on the **Zero** `Button` positions it horizontally in alignment with the other two `Button` elements?

- `app:layout_constraintLeft_toLeftOf="parent"`
- `app:layout_constraintBottom_toTopOf="@+id/button_count"`
- `android:layout_marginBottom="8dp"`
- `app:layout_constraintTop_toBottomOf="@+id/button_toast"`

Answer 2

- `app:layout_constraintLeft_toLeftOf="parent"`

Question 3

What is the correct signature for a method used with the `android:onClick` XML attribute?

- `public void callMethod()`
- `public void callMethod(View view)`
- `private void callMethod(View view)`
- `public boolean callMethod(View view)`

Answer 3

- `public void callMethod(View view)`

Question 4

The click handler for the **Count** `Button` starts with the following method signature:

```
public void countUp(View view)
```

Which of the following techniques is more efficient to use within this handler to change the `Button` element's background color? Choose one:

- Use `findViewById` to find the **Count** `Button`. Assign the result to a `view` variable, and then use `setBackgroundColor()`.
- Use the `view` parameter that is passed to the click handler with `setBackgroundColor()`:
`view.setBackgroundColor()`

Answer 4

- Use the `view` parameter that is passed to the click handler with `setBackgroundColor()`:
`view.setBackgroundColor()`