

Get user input in an app: Part 1

Let's do a quick test! You must answer at least 4 questions correctly to pass this quiz.



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1. Which of the following is true about class inheritance?

- ☐ Class inheritance lets you reuse code and makes your program easier to maintain.
- ☐ Properties and functions of the parent class(es) are available to the child class.
- ☐ You can define additional properties and functions that are specific to subclasses.
- ☐ You can override parent class members in subclasses.
- ☒ All of the above Correct!

2. Which of the following are true about abstract classes?

Choose as many answers as you see fit.

- ☒ They can be extended by subclasses and implementations can be provided for abstract members of the class. Correct!
- ☐ They have an implementation for all of their properties and functions.
- ☒ They may have abstract properties or abstract functions. Correct!
- ☐ They can be instantiated.
- ☒ They are not fully implemented and cannot be instantiated. Correct!
- ☐ They need to be marked with the `open` keyword to be extended.

3. Fill-in-the-blanks

Enter one or more words to complete the sentence.

The `Constructor` is called when you create an instance of a class. Correct!

4. How do you mark a property to be used only inside its current class?

- ☐ Use the `override` keyword.
- ☐ Use the `val` keyword.
- ☒ Use the `private` keyword. Correct!
- ☐ Use the `closed` keyword.
- ☐ It is not possible to do this.

5. Select all answers that are true for this XML layout when displayed on the screen.

(You can sketch this out on a piece of paper first, if that helps.)

```
<androidx.constraintlayout.widget.ConstraintLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent">
    <TextView
        android:id="@+id/textViewA"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="A"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    <TextView
        android:id="@+id/textViewB"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="B"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

Choose as many answers as you see fit.

- ☐ `TextView A` appears vertically stacked on top of `TextView B`.
- ☒ The starting edge of `TextView A` is aligned to the starting edge of the parent view. Correct!



- ☐ The starting edge of `TextView B` is aligned to the starting edge of the parent view.
- ☐ `TextView B` is horizontally and vertically centered within the parent.
- ☒ The tops of `TextView A` and `TextView B` are aligned to top of the parent view. Correct!
- ☐ The width of `TextView A` matches the width of the parent `ConstraintLayout`.

Results

You scored 5 out of 5. Congratulations! You have passed this quiz.

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