



# Android Study Jams

Become an Android Developer

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Monday on Wednesday  
06:45 - 07:52

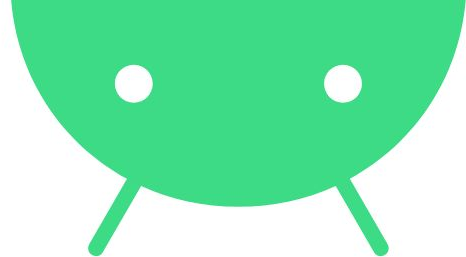
Developer Student Clubs KIET

[Location Name]



# Android Study Jams

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Day #3

Getting Hands on with Kotlin



# A small recap..

- Layouts in Android
- Coding your app's user interface
- Concept of Margin & Padding
- Happy Birthday App



# Learning Objectives

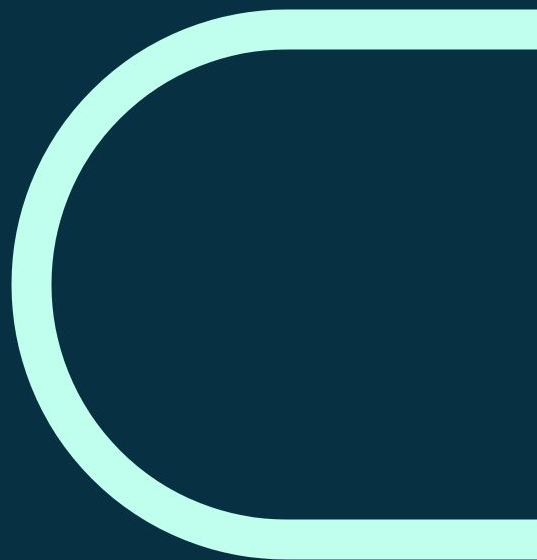
- Scrollable Layouts
- Introduction to Kotlin
- Improvising our Happy Birthday App

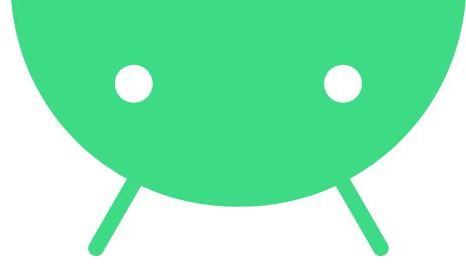


# Scrollable Layouts



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# An insight into ScrollView & Nested ScrollView

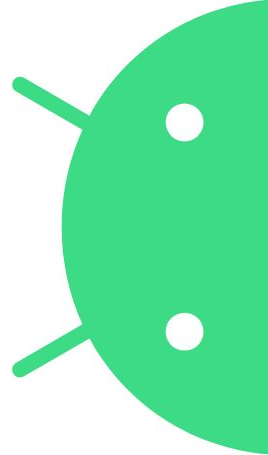
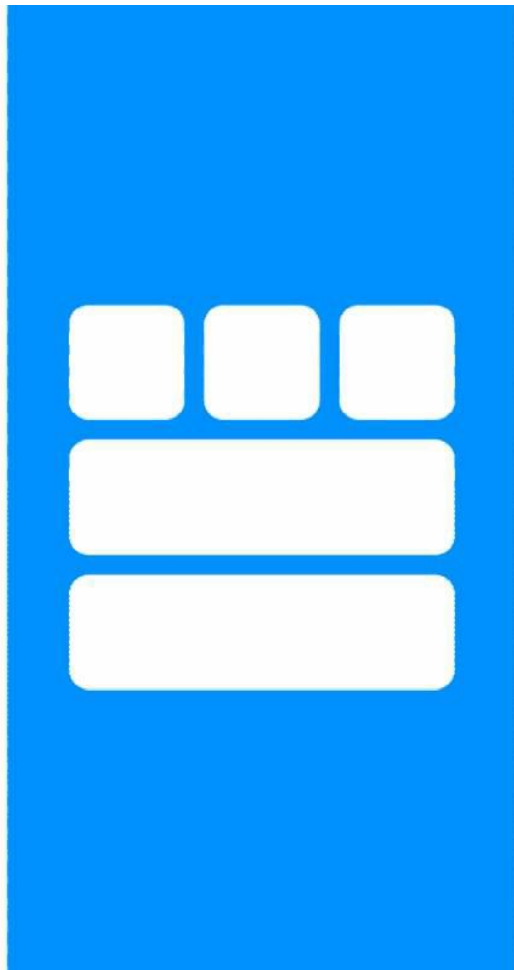
## Key Points :

- A view group that allows the view hierarchy placed within it to be scrolled.
- Scroll view may have only one direct child placed within it.
- NestedScrollView is just like ScrollView, but it supports acting as both a nested scrolling parent and child



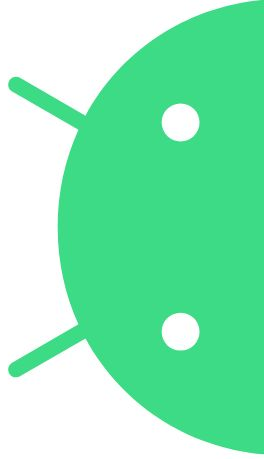
# Nested ScrollView – An Illustration

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# Time for the most exciting part !

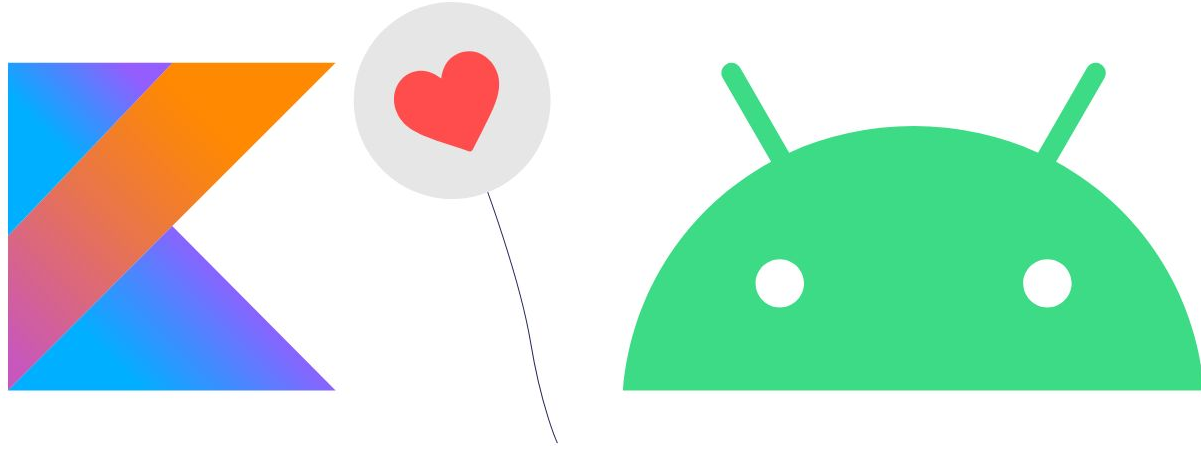




# Introduction to Kotlin

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Android with Kotlin - A world full of possibilities

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# A little bit of Boring Stuff ☹️

- Kotlin is an open-source statically typed programming language.
- Kotlin has both object-oriented and functional constructs. You can use it in both OO and FP styles, or mix elements of the two.
- Kotlin is 100% interoperable with the Java programming language.



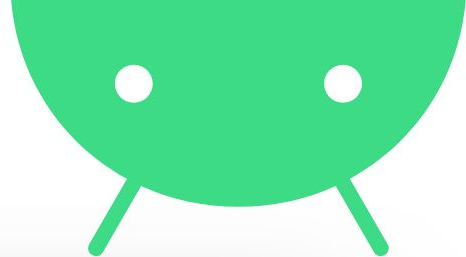


# Deep Dive into Kotlin

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# An overview of Android basics involving Kotlin



## Key Terms :

- Class
- Method
- Parameters
- Null Safety 😊

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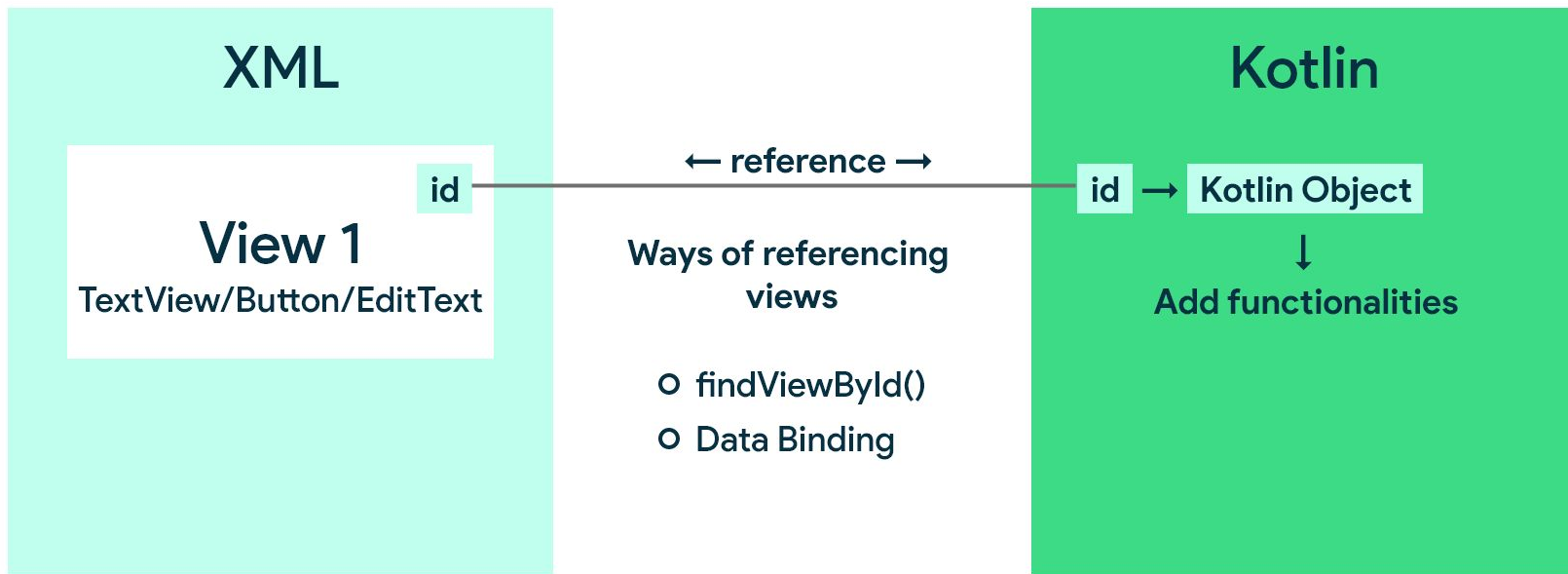
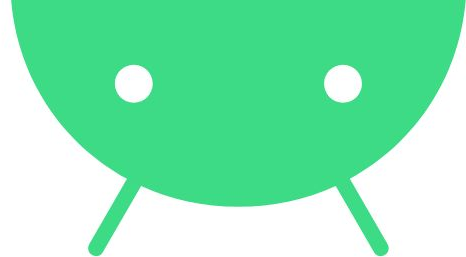
```
package com.aditya.studyjams

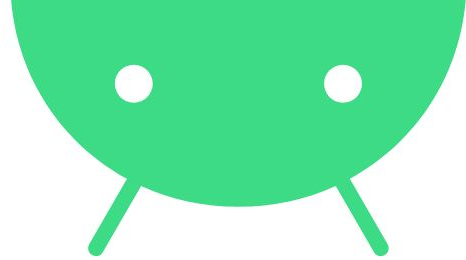
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle

class MainActivity : AppCompatActivity() {

    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)
    }
}
```

# Adding functionality to Views





# Adding a Button functionality in our app

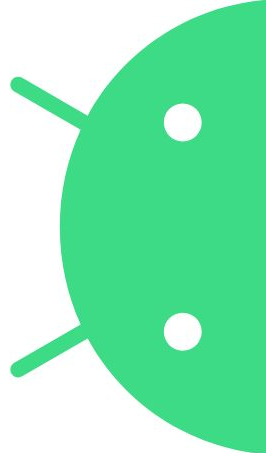
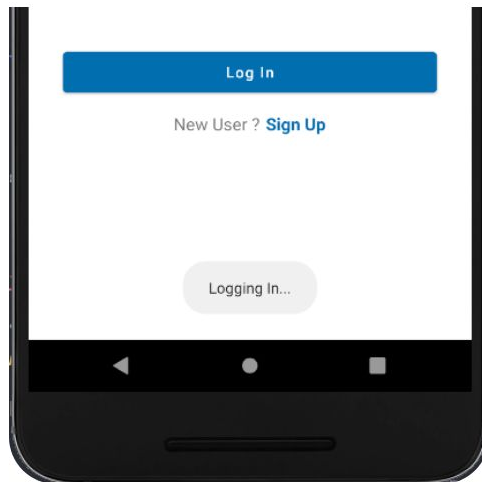
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# Working with Toast messages

## Key Points :

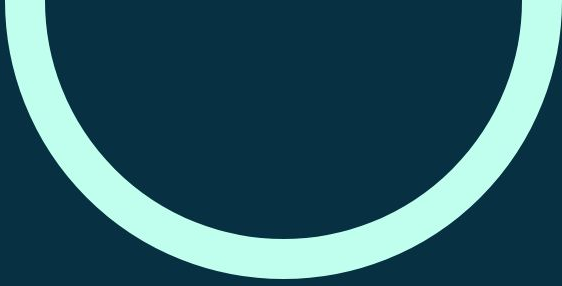
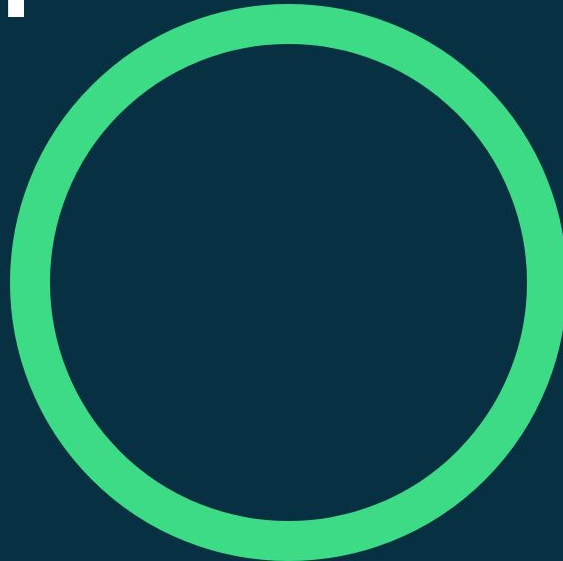
- A toast provides simple feedback about an operation in a small popup.
- It only fills the amount of space required for the message.
- Toasts automatically disappears after a timeout.



```
Toast.makeText(this, "Logging In ... ", Toast.LENGTH_LONG).show()
```

# Improvising our Happy Birthday App 😊

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# Taking User Input

## Key Points :

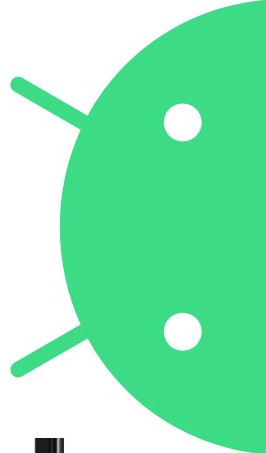
- It is a user interface element for entering and modifying text.
- You can define your EditText to have only some specific types of input by using the "inputType" attribute.

aditya@gmail.com

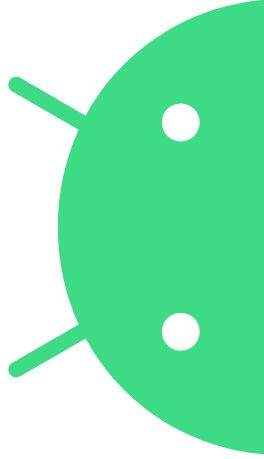
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Log In

New User ? [Sign Up](#)

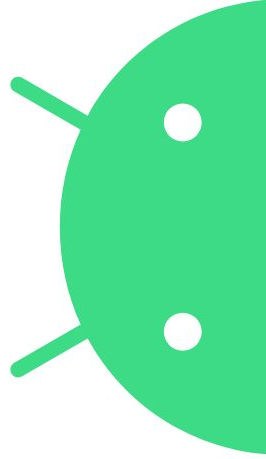


Me:  
Time for a Brain Teaser  
Guys who didn't get a thing :



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# And until the next session...



Code, Explore & Have Fun making Apps 😊  
Complete the pathways and earn exciting  
swags for yourself !

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