The Spoken Tutorial Project

- Self-explanatory: uses simple language
- Audio-video: uses multisensory approach
- Small duration: has better retention
- Learner-centered: learn at your own pace
- Learning by doing: learn and practise simultaneously
- Empowerment: learn a new **FLOSS** (**F**ree/**L**ibre and **O**pen **S**ource **S**oftware)

Target Group

- Android App developers
- Programmers
- Software Developers

Workshops

The Spoken Tutorial Project Team conducts workshops on Android app using kotlin and other FLOSS using spoken tutorials and gives certificates to those who pass an online test.

For more details, please visit
https://spoken-tutorial.org

Forum

We have developed a beginner friendly Forum to answer specific questions pertaining to any part of a particular tutorial.
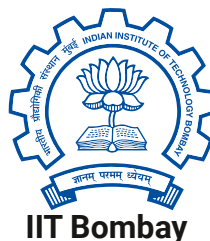For more details, please visit
https://forums.spoken-tutorial.org.

Contact us

Email: contact@spoken-tutorial.org
Website: https://spoken-tutorial.org

Forum help available to all learners

Content available in 22 Indian languages

IIT Bombay

Spoken Tutorial
https://spoken-tutorial.org
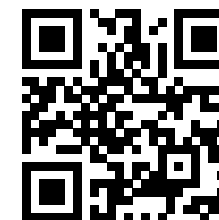
Scan the QR code to
visit Spoken Tutorial website

Android app using kotlin

Introduction

- **Android** is an open source and Linux-based Operating System for mobile devices such as smartphones and tablet computers.

- **Android Studio** is the official IDE for android application development. App development on Android was almost exclusively done using the Java programming language.

- **Kotlin** is a new open source programming language built by JetBrains, known for IntelliJ IDEA (Android Studio is based on IntelliJ IDEA). Kotlin is a language that runs on the JVM (Java Virtual Machine).

- Google has announced **Kotlin** as an official language on Android. Kotlin, is a statically typed programming language for the JVM, Android and the browser.

Download and Installation:

- Download Android studio from the below link:

  https://developer.android.com/studio

- Android Studio is available for Linux, Windows, and mac OS

Features

- Kotlin is easy to learn and the syntax is very similar to Java.

- Kotlin is more expressive, which makes the code more readable and understandable.

- It has better performance and small runtime

- It's deep interoperability with Java, which attracts more Java developers.

- It is tools-friendly as IDE gives suggestions for Kotlin code, can convert Java code to Kotlin code.

- It is expressive to make your code more readable and understandable.

- The intelligent code editor helps to write better code, work faster, and be more productive by offering advanced code completion.

- Applications built in Android Studio are then compiled into the APK format for submission to the Google Play Store.

Spoken Tutorials in Android app using Kotlin Series

Basic Level Tutorials:

- Overview of Android App using Kotlin

- Installation of Android Studio

- Getting started with Hello World App

- Creating a simple registration form

- Adding Radio Buttons

- Adding Spinner and Image

Intermedaite Level Tutorials:

- Creating a Search App

- URL Request

- Display Search Result

- Playing video using YouTube API