Star Android

Learn the New Official Language of Google "KOTLIN"

Android
Exam Code: S07-115

LEARN + **EXAM** = **CERTIFIED**
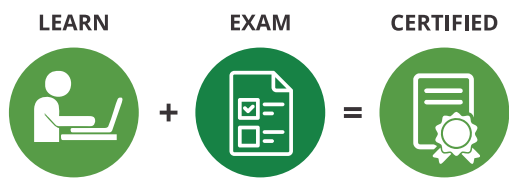
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Kotlin is a simple, concise & powerful development language which makes Android development much easier. It is 100% interoperable with Java and offers a new world of possibilities to developers coming from Java. **Star Android** is a comprehensive training program on Kotlin for Android development. The program helps the learners acquire a fundamental understanding of Android programming and its various components in detail. It is a must have for mobile application development enthusiasts who want to understand the finer nuances of the dynamic development that is synonymous with Android programming.

Android offers a unified approach to application development for mobile devices which means their apps should be able to run on different devices powered by Android.

Audience: Star Android assumes that the learner knows Java and wants to graduate to Android mobile application development with Kotlin on Android.

Course Objectives:

In this course, you will learn about:
* Creating robust mobile applications and learn how to integrate them with other services
* Creating intuitive, reliable mobile appsusing the android services and components
* Create a seamless user interface that works with different mobile screens

Course Outcome :

After completing this course, you will be able to:
* Build enterprise level mobile applications with Kotlin on Android
* Understand both the basic and advanced concepts of Kotlin
* Understand why use Kotlin over Java
* Install and configure Android Studio
* Explain and use key Android programming concepts
* Deploy the application on Google Play
* Become a certified Android developer

Course Outline :

1. Introduction to Kotlin Programming Language
2. Classes and Objects in Kotlin
3. Functions and Lambdas in Kotlin
4. Advanced Concepts in Kotlin
5. Java Versus Kotlin
6. Introduction to Android 8.0
7. Starting Development with Android Development Tools: Android Studio
8. Exploring Basics of Android Application Components
9. Exploring and Designing Android UI
10. Using Views to Handle Images, Listview and Menu
11. Implementing Data Persistence
12. Gathering Location Data
13. Implementing Graphics and Animations in Android
14. Integrating Media in Android
15. Interacting with Camera and Input Gestures
16. Managing Background Tasks
17. SMS and Email in Android
18. Connectivity in Android
19. Exploring Sensors
20. Networking in Android
21. Deployment of Android Application on Google Play
22. Android P (Pie)
23. Labs

Exam Information:

Exam Code	:	S07-115	Exam Pattern	:	Multiple Choice
Exam Duration	:	2 Hrs	Exam Delivery	:	AEPTC (ACADEMIC EDUCATION & PROFESSIONAL TESTING CENTER)
Passing Score	:	70%			

Course Duration : 60 Hrs