

Advanced Programming

Introduction to Android application development with Java

1st session

Agenda:

- What is Android?
- Android Architecture
- Intro to UI in Android
- Logic of Android programs
- Basic Java syntax in a mini project



android

What is Android?

Brief explanation



- Android is a mobile operating system based on a modified Linux kernel
- Android is open-source and owned by Google
- There are nearly 3 billion devices, e. g. mobile phones And tablets and TVs and , using Android as their operating system.

Android Architecture

Layers of Android



Android Architecture

01

Linux Kernel

02

Libraries

03

Android Runtime

04

Application Framework

05

Applications

UI & business logic in Android

What is an android application made of?
How does xml and Java interact?

