

The First Look at Android Programming with Kotlin

On-line Workshop

April 21th 2021, 12:30-16:00

Android, the most popular operating system for smartphones, has evolved dramatically over the last decade. In this workshop we will get familiar with programming Android applications with a special emphasis on the state-of-the-art best practices in programming resource-efficient apps. The workshop will commence with a brief lecture that will introduce the participants to Android. This will be followed by a two-hour hands-on lab, where we will create our first Android smartphone app in Kotlin programming language!

Instructors: Prof. Veljko Pejović and dr. David Jelenc, Faculty of Computer and Information Science, University of Ljubljana

The participation is free! All welcome!

Applications are accepted until April 20th, 2021. More information: [Kompetenčni center CLEC \(clec@ijs.si\)](mailto:clec@ijs.si).

[Register now!](#)

Workshop content:

- Android (eco)system basics
- Android application structure
- Activity class and its lifecycle – Android User Interface
- Service and Intents – Background processing in Android
- Android Studio – how to build an Android app?
- Hands-on experience: building a mobile music player

Prerequisites:

- Basic Kotlin or Java programming experience
- A laptop with Android Studio preinstalled

Two options for attending the workshop are possible: 1) Active participation - attendees are encouraged to complete the preparatory lab: https://docs.google.com/document/d/12LSGn5M_VmeTXk-IGRyr77JWjzB_v1Ui7NpHQ76LTWI/edit?usp=sharing on their own beforehand, should they wish to experience hands-on participation in the workshop; 2) Passive participation - no preparations needed, simply log on and attend the workshop.

Note: The language of the instructions will be adapted to the audience (English or Slovenian)