

LAB EXERCISES

KOTLIN FOR ANDROID DEVELOPERS

EX 01

- Create an Android application for registering students app should contain the following screens:
 - Adding a new user name
 - Search for student by name and print found or not found

The image shows a UI mockup for an Android application, presented as a vertical stack of elements on a blue background. At the top is a white rectangular input field containing the text 'NAME'. Below this is a green rounded rectangular button with the text 'ADD'. Further down is another white rectangular input field, also containing the text 'NAME'. Below that is a second green rounded rectangular button with the text 'SEARCH'. At the bottom of the stack is the text 'Found / Not Found' in a white, italicized serif font.

EX 02

- Create an Android application for registering students app should contain the following screens:
 - Adding a new user name and Email
 - Search for student by name or email and print found or not found

The image displays two screens of an Android application, each enclosed in a blue border. The top screen is for adding a new user, featuring two white input fields labeled 'NAME' and 'EMAIL' stacked vertically. Below these fields is a green rounded rectangular button with the text 'ADD' in white. The bottom screen is for searching a student, also featuring two white input fields labeled 'NAME' and 'EMAIL' stacked vertically. Below these fields is a green rounded rectangular button with the text 'SEARCH' in white. At the bottom of the blue frame, the text 'Found / Not Found' is written in a white, italicized font.

EX 03

- Create an Android application for registering students app contains two screens:
 - Adding a new user name and Email
 - Search for student by name or email. If user was found, app navigates to the second screen to show name and email. If user not found print Not found on the first screen

The image displays two screens of an Android application, both set against a solid blue background. The top screen is for adding a new user; it features two white rectangular input fields, the first labeled 'NAME' and the second labeled 'EMAIL', both in a dark grey serif font. Below these fields is a green rounded rectangular button with the word 'ADD' in white, uppercase, sans-serif font. The bottom screen is for searching a student; it also has two white rectangular input fields labeled 'NAME' and 'EMAIL'. Below them is a similar green rounded rectangular button labeled 'SEARCH'. At the bottom of this screen, the text 'Not Found' is displayed in a large, white, italicized serif font.

EX 03

- Second screen should look like this

Name

Email

EX 04

- Create same app described in Ex03 and add RoomDatabase support for storing added users details

EX 05

- Create an Android application that loads data from <https://jsonplaceholder.typicode.com/users>
- Screen should display a single entry and user can display next and previous users using the next and previous buttons as shown

Id

Name

Email

Username

PREVIOUS

NEXT