# Introduction

## Briefly introduce the topic: Currency Converter App Development.

## Mention that we’ll be using Android Studio for this project.

## Highlight the importance of currency conversion tools in today’s global economy.

# Project Setup

## Explain how to set up a new Android project in Android Studio.

## Specify the project name (e.g., “Currency Converter App”).

## Choose the programming language (Java or Kotlin).

# Designing the User Interface

## Describe the layout of the app.

## Show the XML layout file (activity\_main.xml) where UI components are defined.

## Discuss the use of EditText, Spinners, and Button for user input.

# API Integration

## Introduce the exchangeratesapi.io API.

## Explain how to obtain an API key.

## Show the code snippet for making API requests.

# Java/Kotlin Code Implementation

## Walk through the MainActivity.java (or MainActivity.kt) file.

## Discuss the logic for currency conversion.

## Highlight the use of Retrofit for network calls.

# User Input Handling

## Explain how the user enters the amount and selects currencies.

## Describe the event handling for the Convert button.

# Displaying Results

## Show how the converted currency value is displayed.

## Discuss formatting (e.g., decimal places, currency symbols).

# Testing and Debugging

## Emphasize the importance of testing.

## Explain how to run the app on an emulator or physical device.

## Discuss common issues and debugging techniques.

# User Experience (UX)

## Talk about user-friendly design.

## Consider adding features like auto-complete for currency codes.

## Discuss localization for different languages and regions.

# Conclusion and Future Enhancements

## Recap the project.

## Mention possible improvements (e.g., historical rates, offline mode).

## Encourage further exploration and learning.