

CUTTLEFISH
ROBOTICS
PRESENTS



31663

ANDROID STUDIO GUIDE PART 1
SETTING UP
ANDROID STUDIO



Kiwanis
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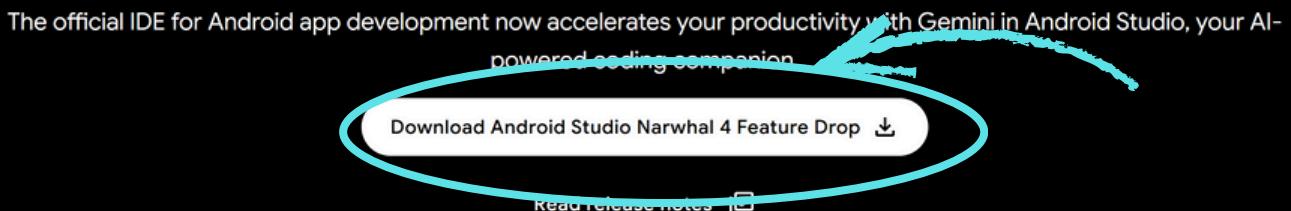
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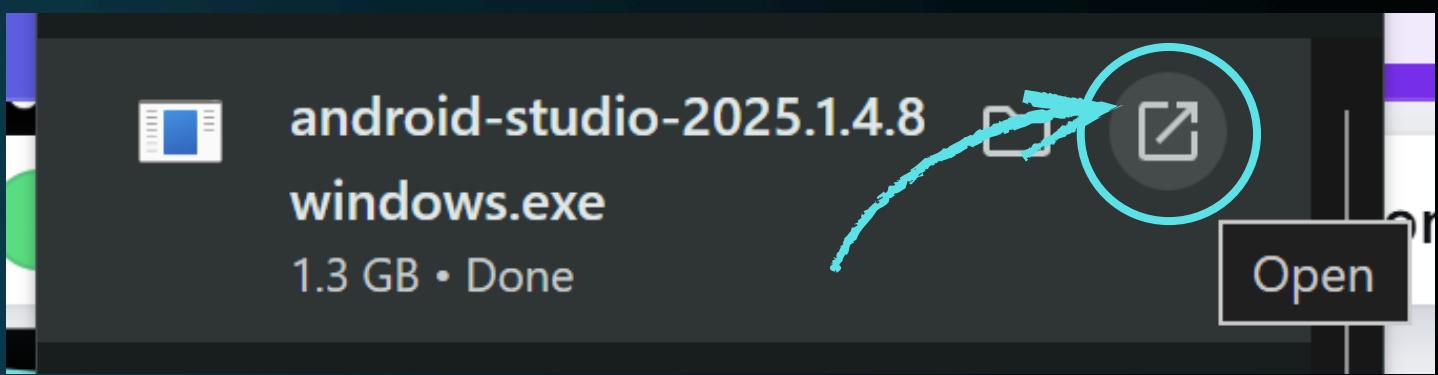
ANDROID STUDIO SET UP

1. Download Android Studio from developer.android.com/studio

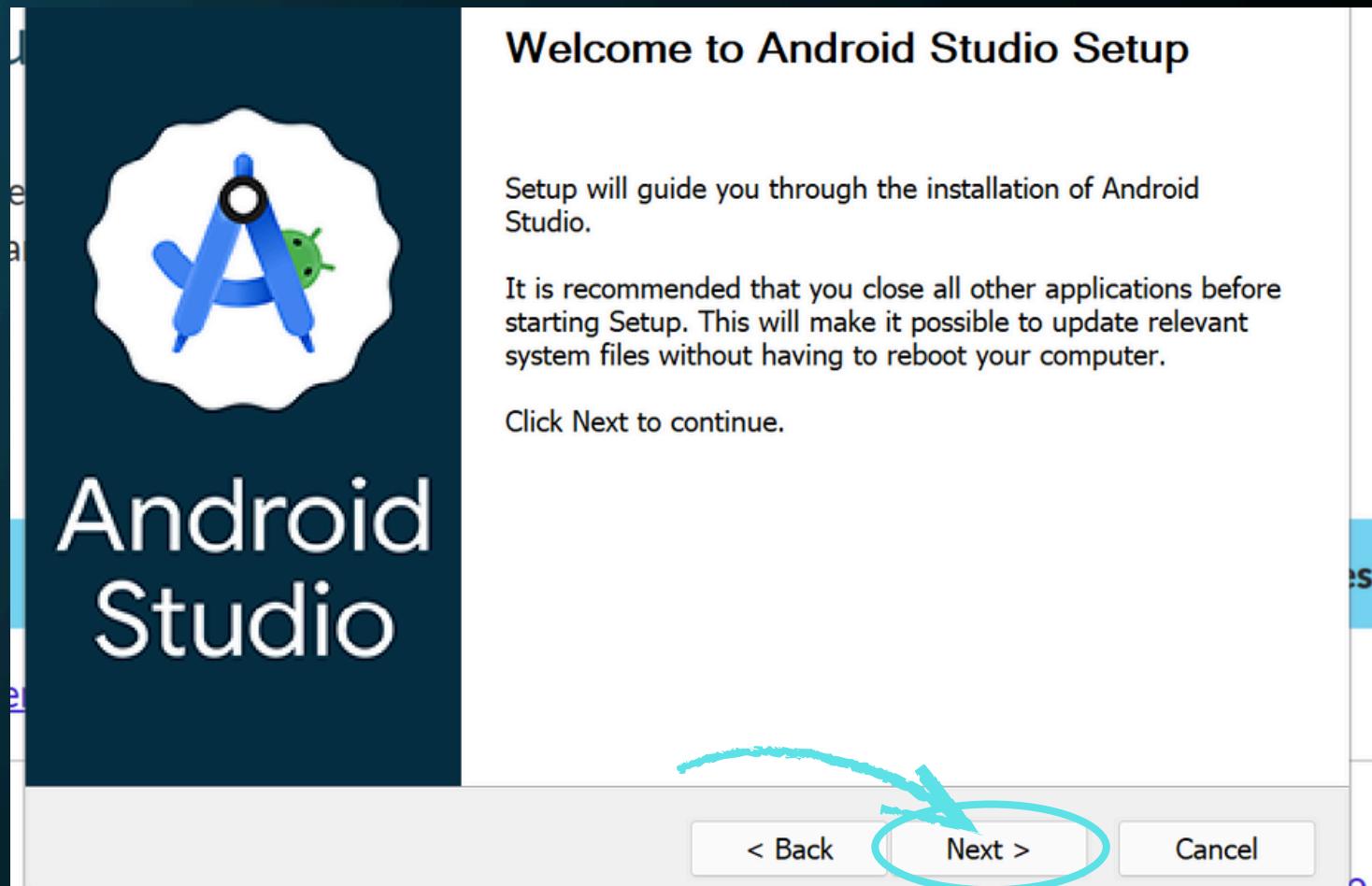
Android Studio



2. Open downloaded application



3. Set up Android Studio



ANDROID STUDIO SET UP

Choose Components

Choose which features of Android Studio you want to install.

Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.

Select components to install:

- Android Studio
- Android Virtual Device

Description

Position your mouse over a component to see its description.

Space required: 4.0GB

< Back

Next >

Cancel



Configuration Settings

Install Locations

Android Studio Installation Location

The location specified must have at least 500MB of free space.
Click Browse to customize:

C:\Program Files\Android\Android Studio4

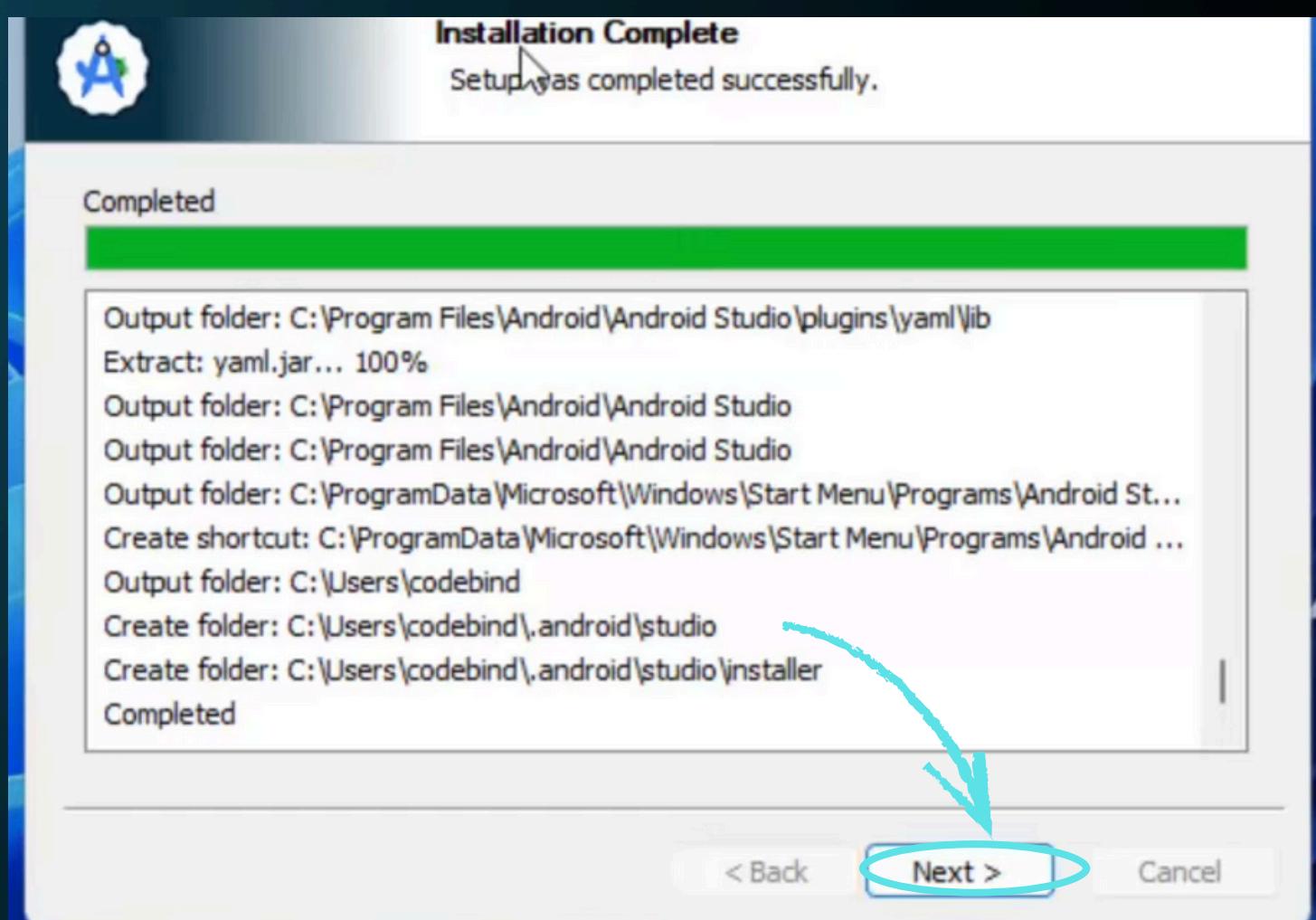
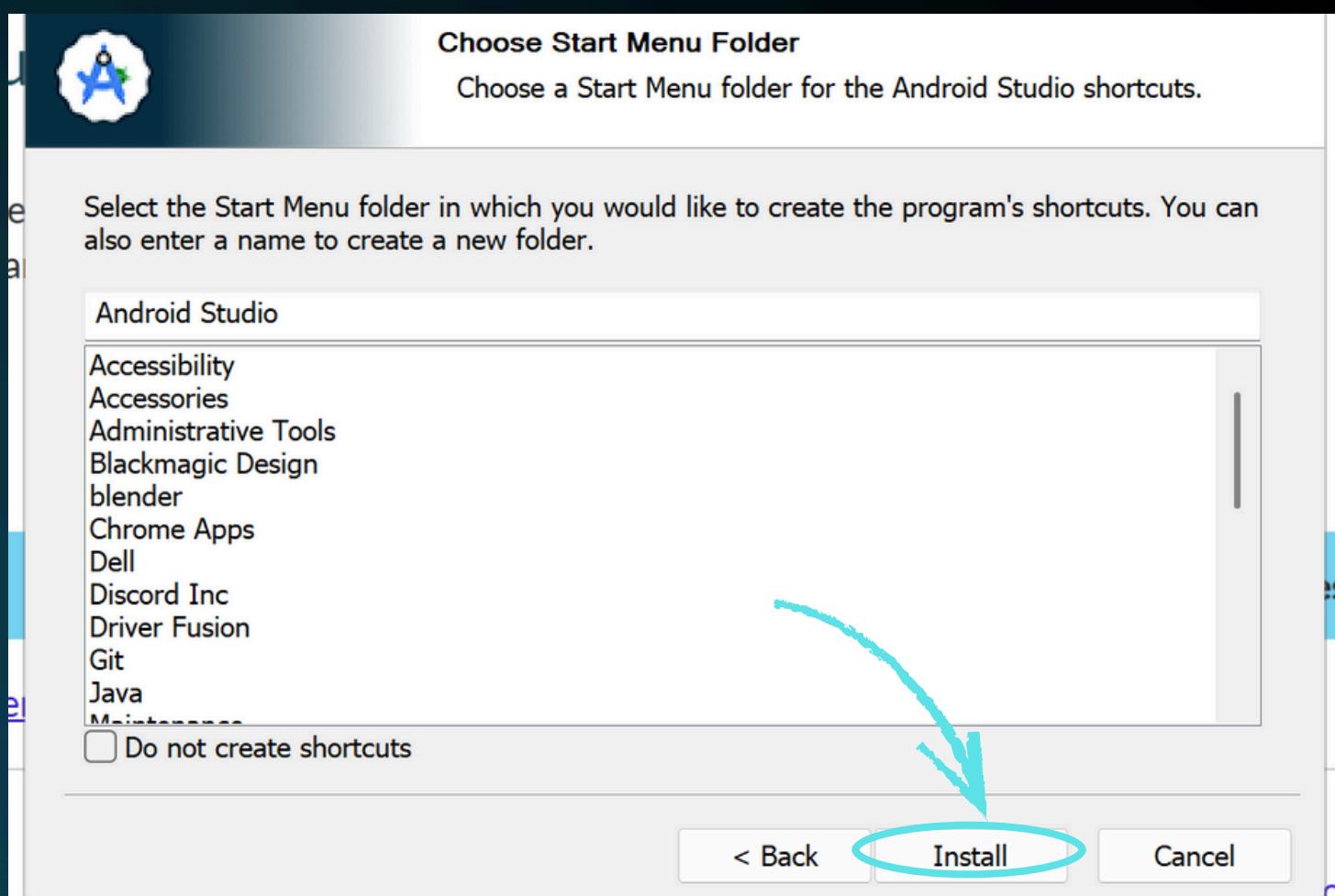
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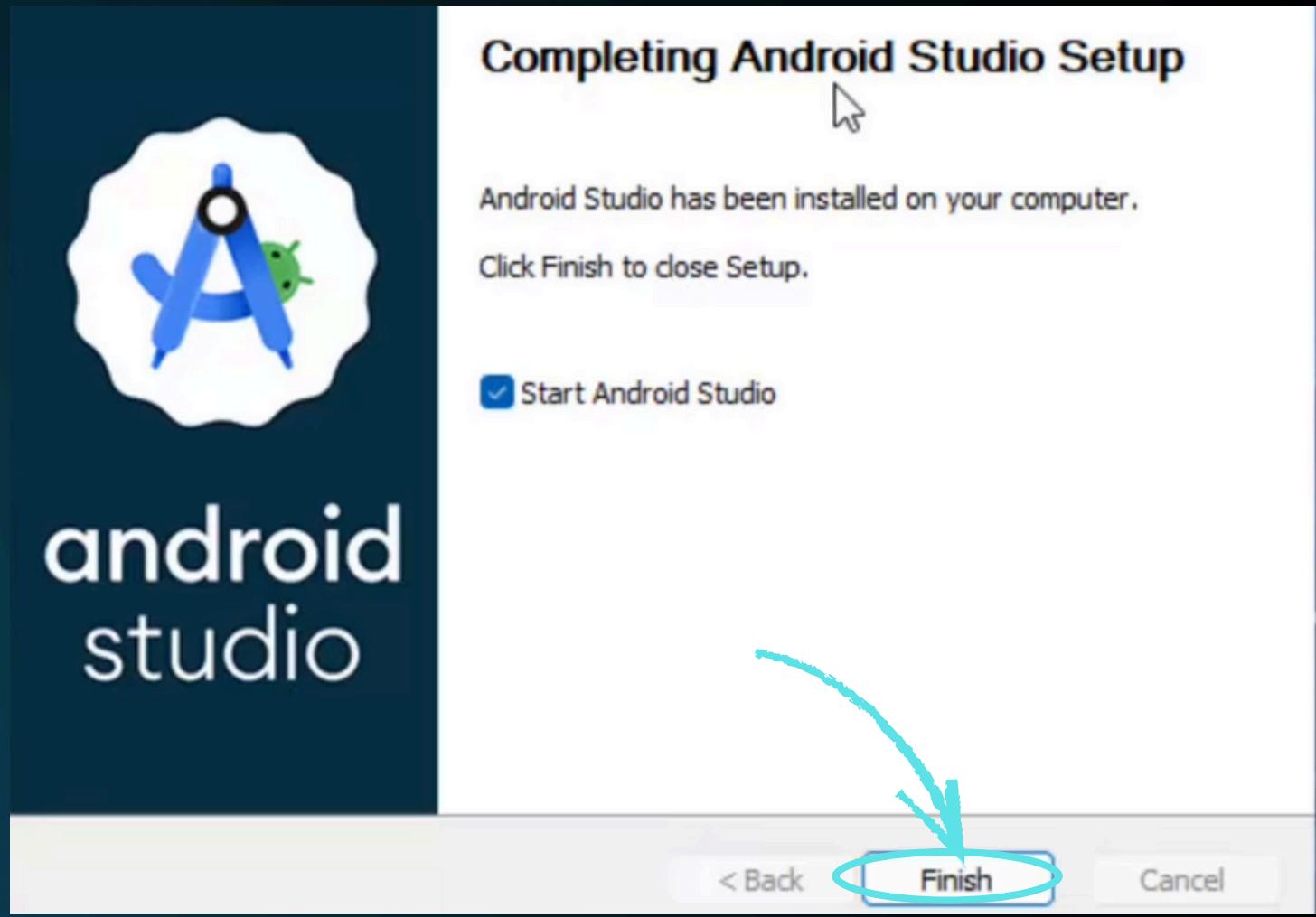
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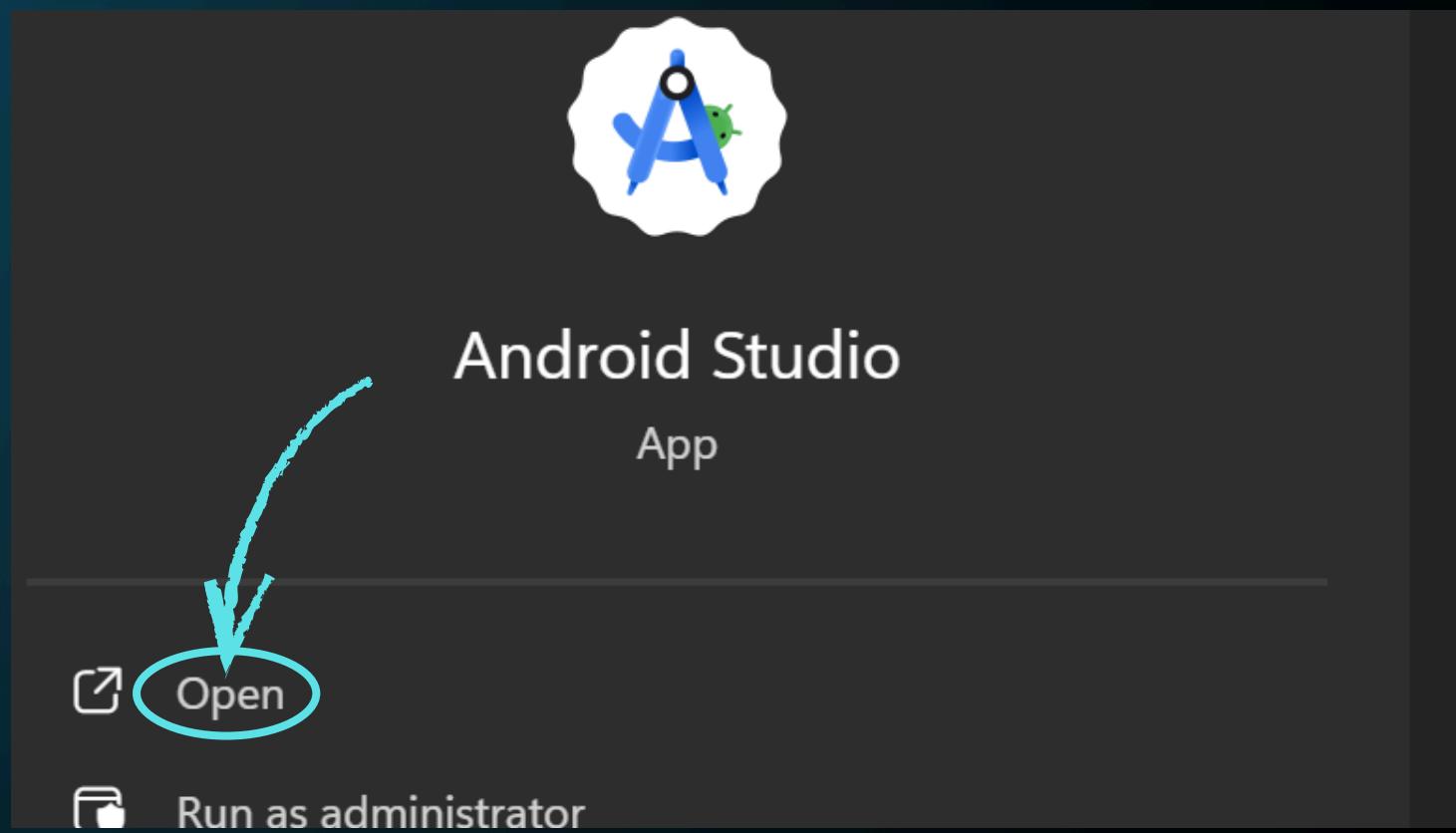
ANDROID STUDIO SET UP



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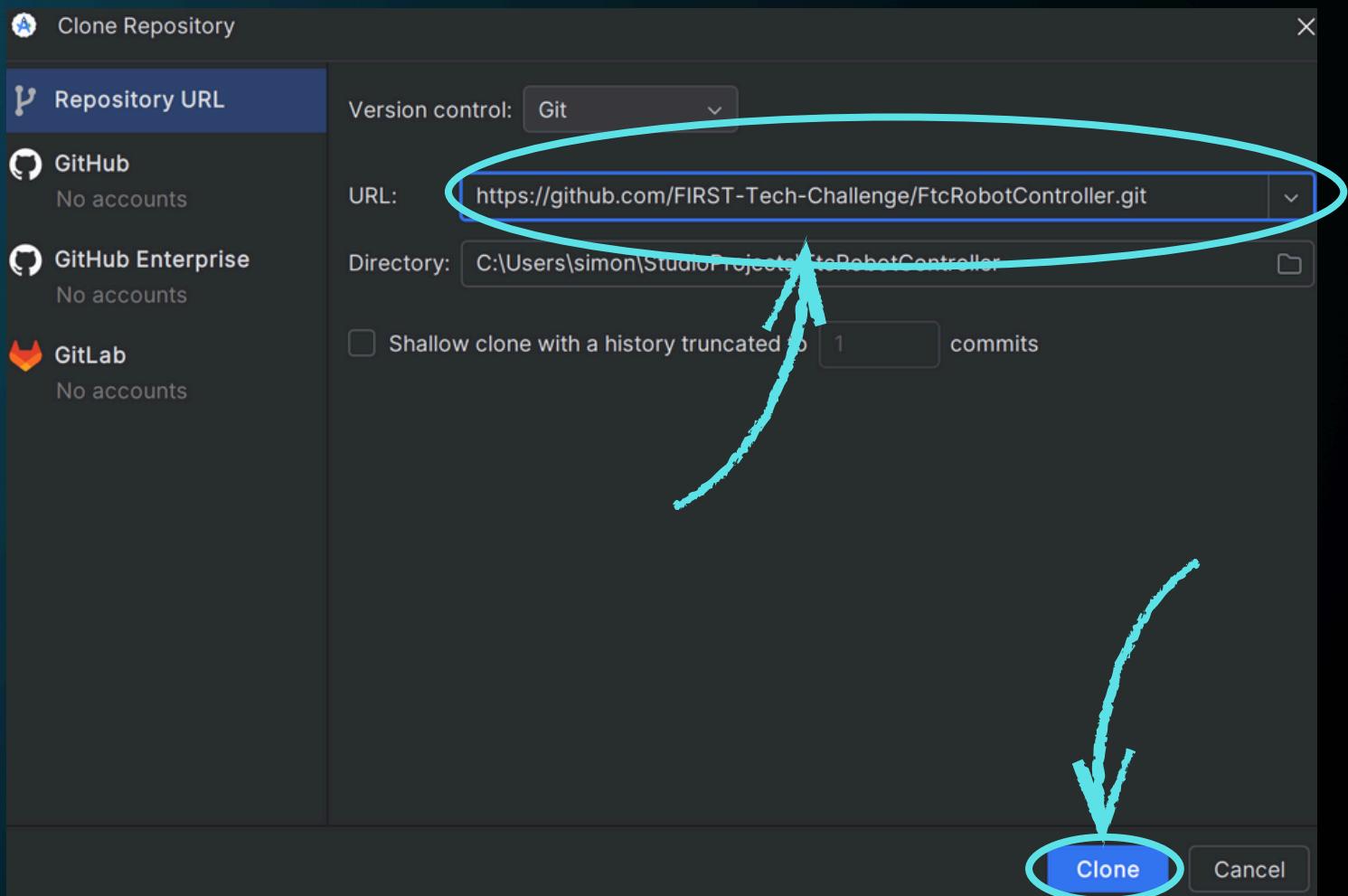
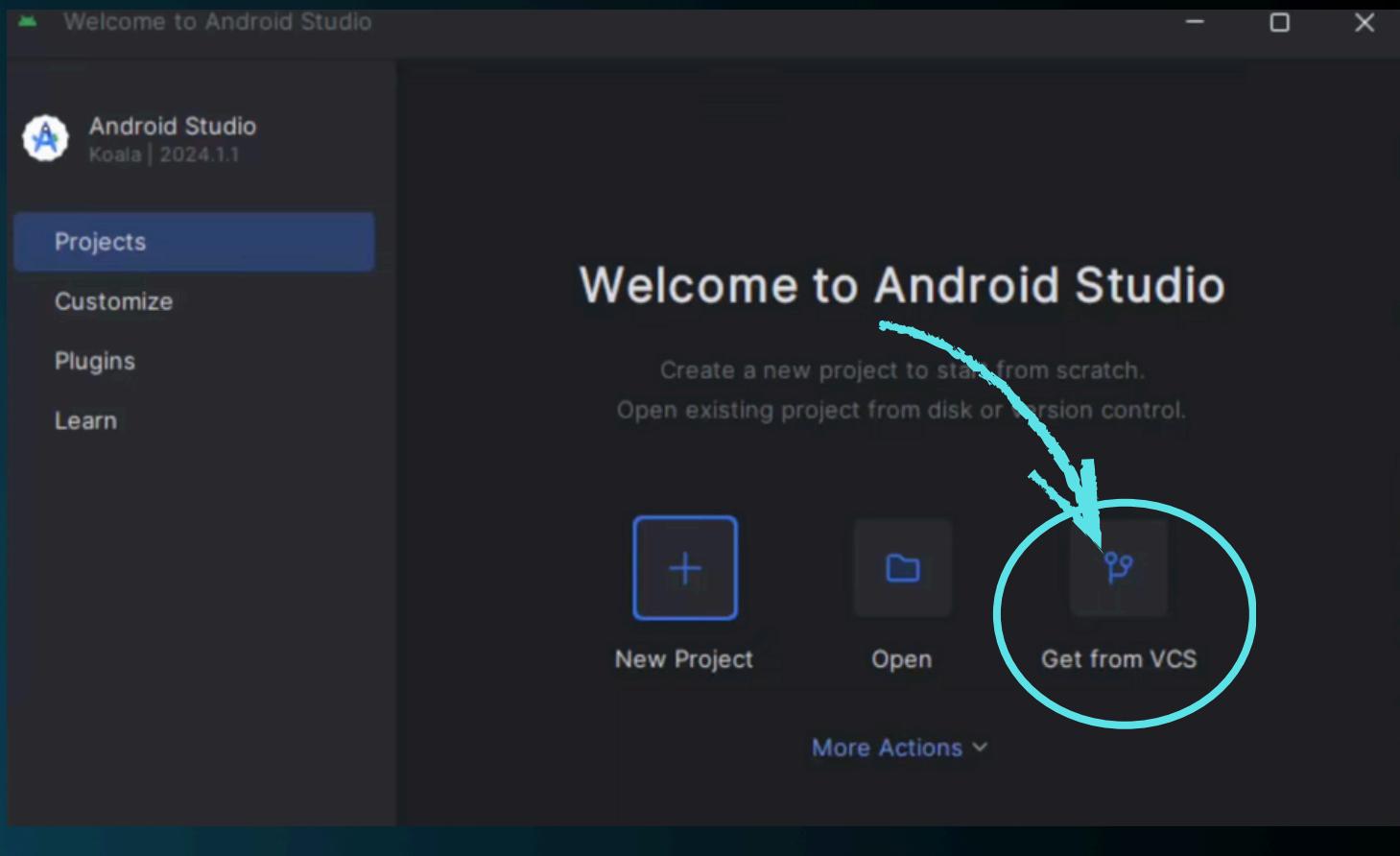


4. Run Android Studio



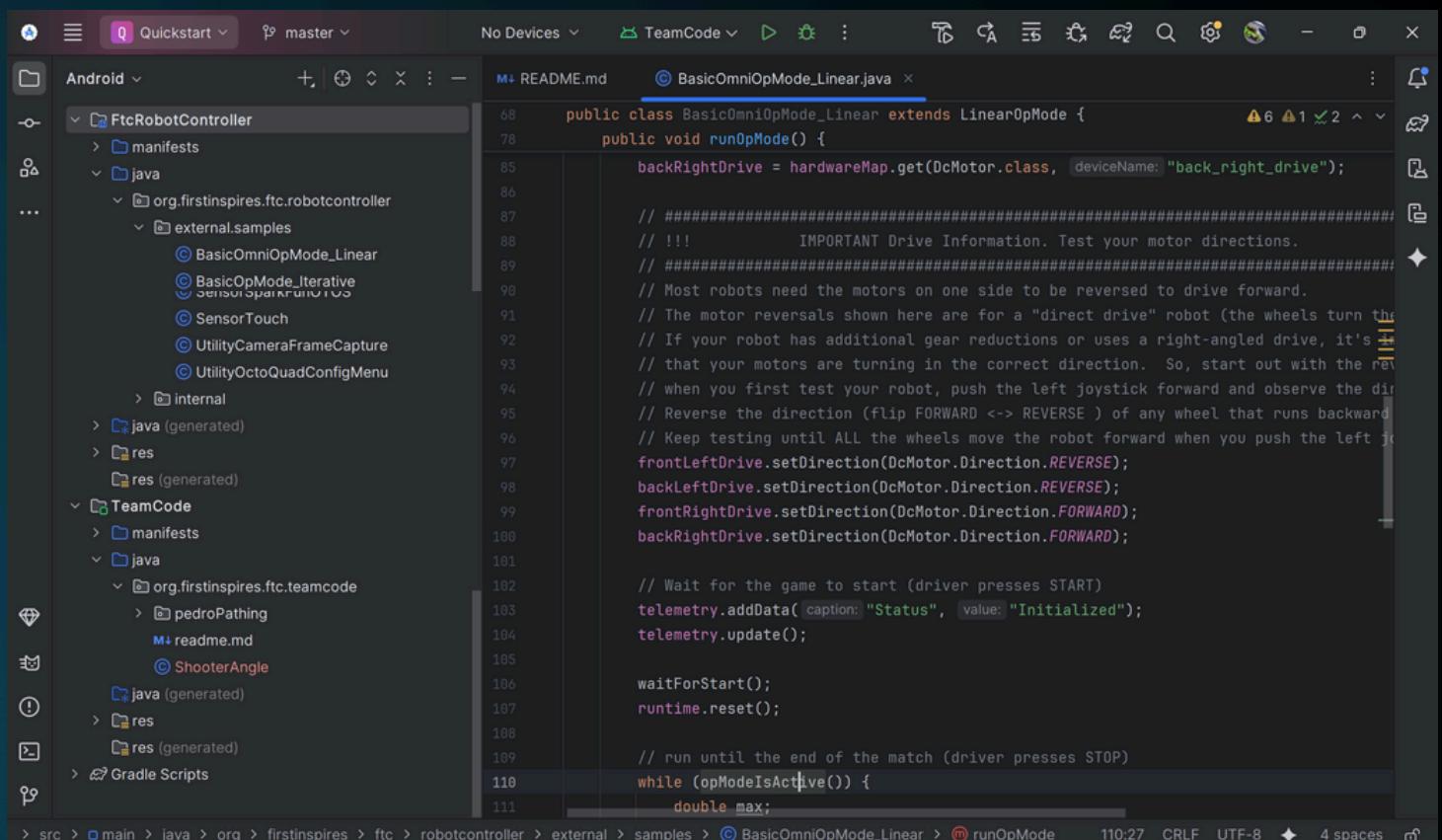
ANDROID STUDIO SET UP

5. Clone the FTC Github Repository



ANDROID STUDIO SET UP

Now you should have the FTC Robot Controller all set up on Android Studio for use in Java!
It should look something like this;



The screenshot shows the Android Studio interface with the following details:

- Project Structure:** The left sidebar shows the project tree under "Android". It includes the "FtcRobotController" module with sub-directories "manifests", "java" (containing "org.firstinspires.ftc.robotcontroller" with "external.samples" and "TeamCode"), and "res". It also shows "TeamCode" and "Gradle Scripts".
- Code Editor:** The main window displays the file "BasicOmniOpMode_Linear.java". The code is a Java class named "BasicOmniOpMode_Linear" that extends "LinearOpMode". It contains methods for initializing motors and setting directions, as well as a loop that runs until the op mode is active.
- Bottom Status Bar:** Shows the path "src > main > java > org > firstinspires > ftc > robotcontroller > external > samples > BasicOmniOpMode_Linear > runOpMode", along with system information like "110:27 CRLF UTF-8 4 spaces".

Be sure to check out our other PDFs and Tutorials to learn how to code in Java, how to set up PedroPathing, and how to use a LimeLight 3a!

END OF GUIDE