



SMART DEVICE PROGRAMMING

6133

INSTALL AND CONFIGURE ECLIPSE

1. Download the Eclipse Installer

Download Eclipse Installer from <http://www.eclipse.org/downloads>

2. Start the Eclipse Installer executable

For Windows users, after the Eclipse Installer executable has finished downloading it should be available in your download directory. Start the Eclipse Installer executable. You may get a security warning to run this file. If the Eclipse Foundation is the Publisher, you are good to select Run.

Open File - Security Warning



Do you want to run this file?



Name: [C:\Users\ian\Downloads\eclipse-installer-win64 \(2\).exe](C:\Users\ian\Downloads\eclipse-installer-win64 (2).exe)

Publisher: [Eclipse Foundation, Inc.](#)

Type: Application

From: C:\Users\ian\Downloads\eclipse-installer-win64 (2).exe

Run

Cancel

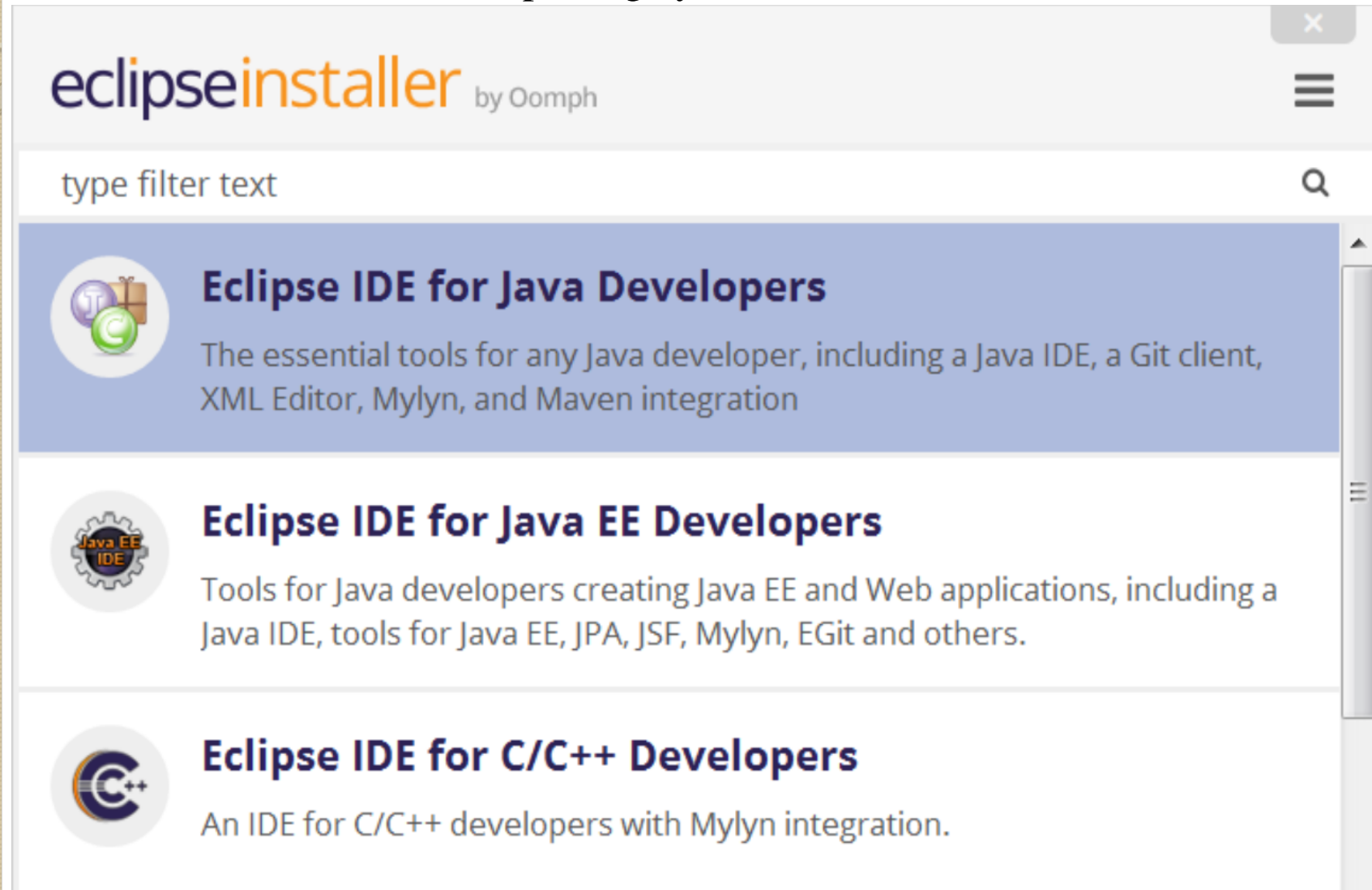
Always ask before opening this file



While files from the Internet can be useful, this file type can potentially harm your computer. Only run software from publishers you trust. [What's the risk?](#)

3. Select the package to install

The new Eclipse Installer shows the packages available to Eclipse users. Select and click on the package you want to install.

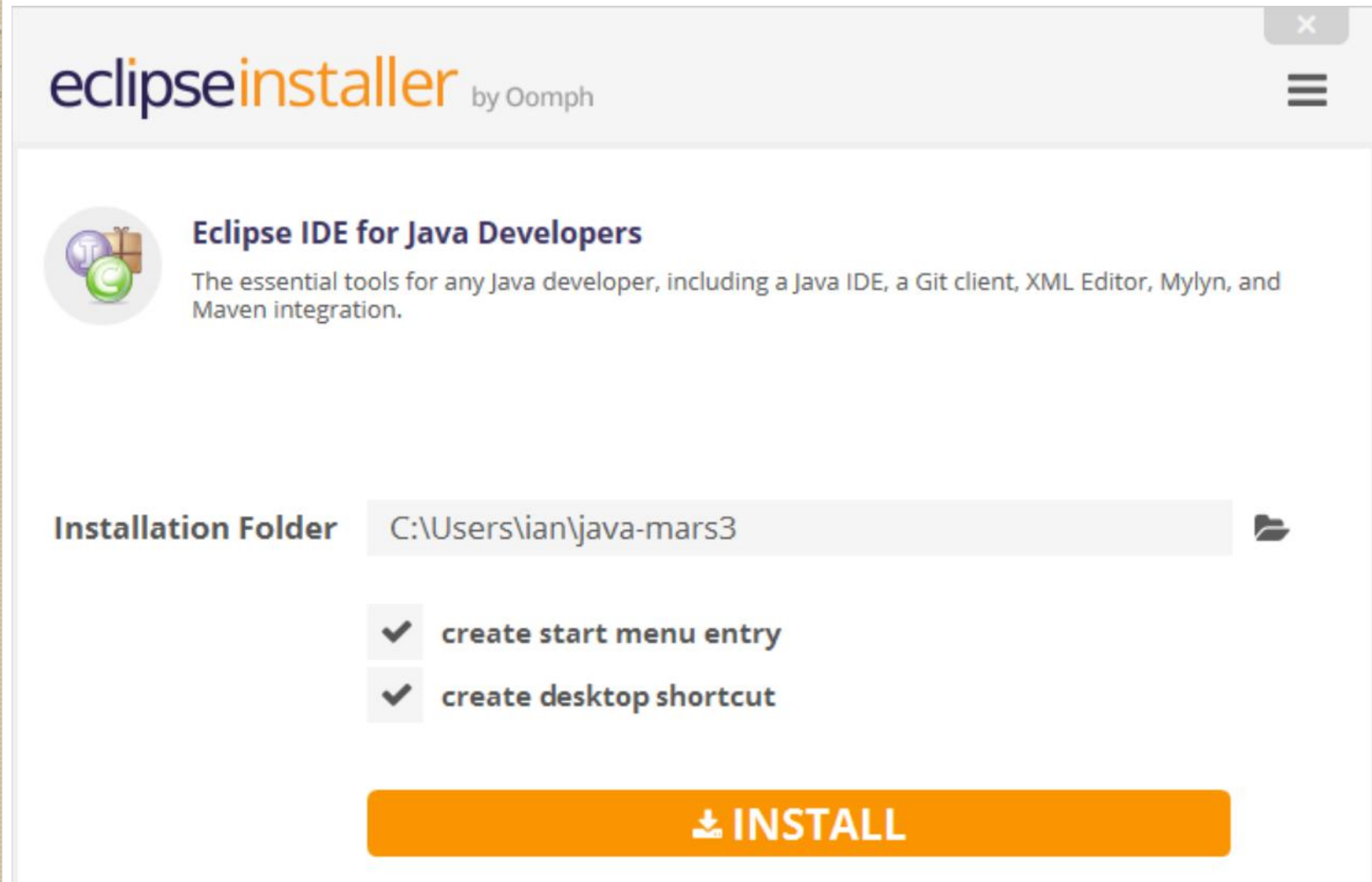


The screenshot shows the Eclipse Installer window. At the top, it says "eclipseinstaller by Oomph". Below that is a search bar with the placeholder text "type filter text". There are three package options listed:

- Eclipse IDE for Java Developers**
The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Mylyn, and Maven integration
- Eclipse IDE for Java EE Developers**
Tools for Java developers creating Java EE and Web applications, including a Java IDE, tools for Java EE, JPA, JSF, Mylyn, EGit and others.
- Eclipse IDE for C/C++ Developers**
An IDE for C/C++ developers with Mylyn integration.


4. Select your installation folder

Specify the folder where you want Eclipse to be installed. Select the 'Install' button to begin the installation.




The screenshot shows the Eclipse Installer application window. The title bar reads "eclipseinstaller by Oomph". The main content area features a circular icon with a Java logo and a green checkmark, followed by the text "Eclipse IDE for Java Developers" and a description: "The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Mylyn, and Maven integration." Below this, the "Installation Folder" is set to "C:\Users\ian\java-mars3". Two options are checked: "create start menu entry" and "create desktop shortcut". A large orange button at the bottom is labeled "INSTALL" with a download icon.

eclipseinstaller by Oomph

 **Eclipse IDE for Java Developers**
The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Mylyn, and Maven integration.

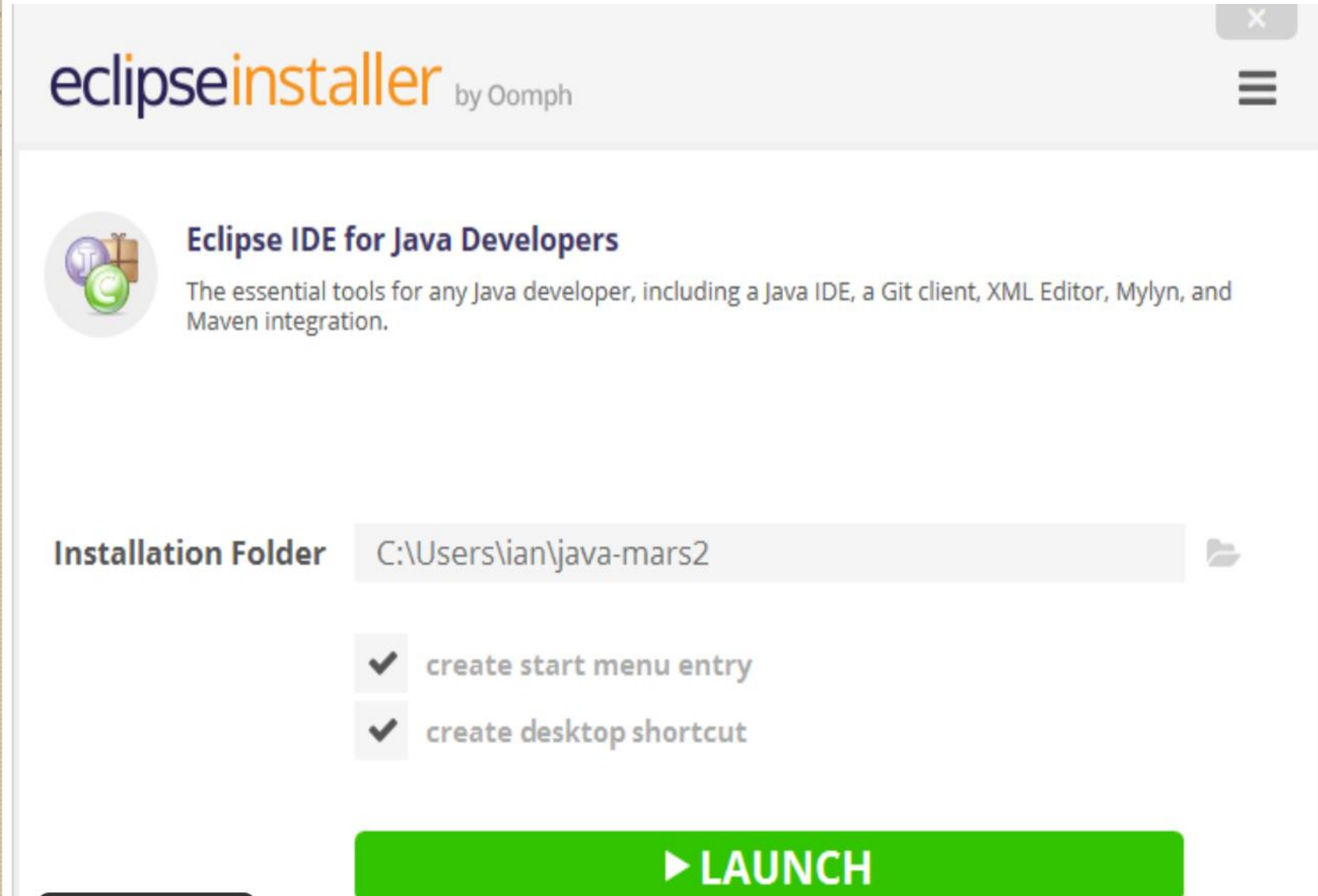
Installation Folder C:\Users\ian\java-mars3

- create start menu entry
- create desktop shortcut



5. Launch Eclipse

Once the installation is complete you can now launch Eclipse.



INSTALL AND CONFIGURE ANDROID STUDIO

Step 1: Download Android Studio

You can download Android Studio

from developer.android.com homepage and search for downloads.

Step 2: Run .exe file



Android
Studio

Welcome to Android Studio Setup

Setup will guide you through the installation of Android Studio.

It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.

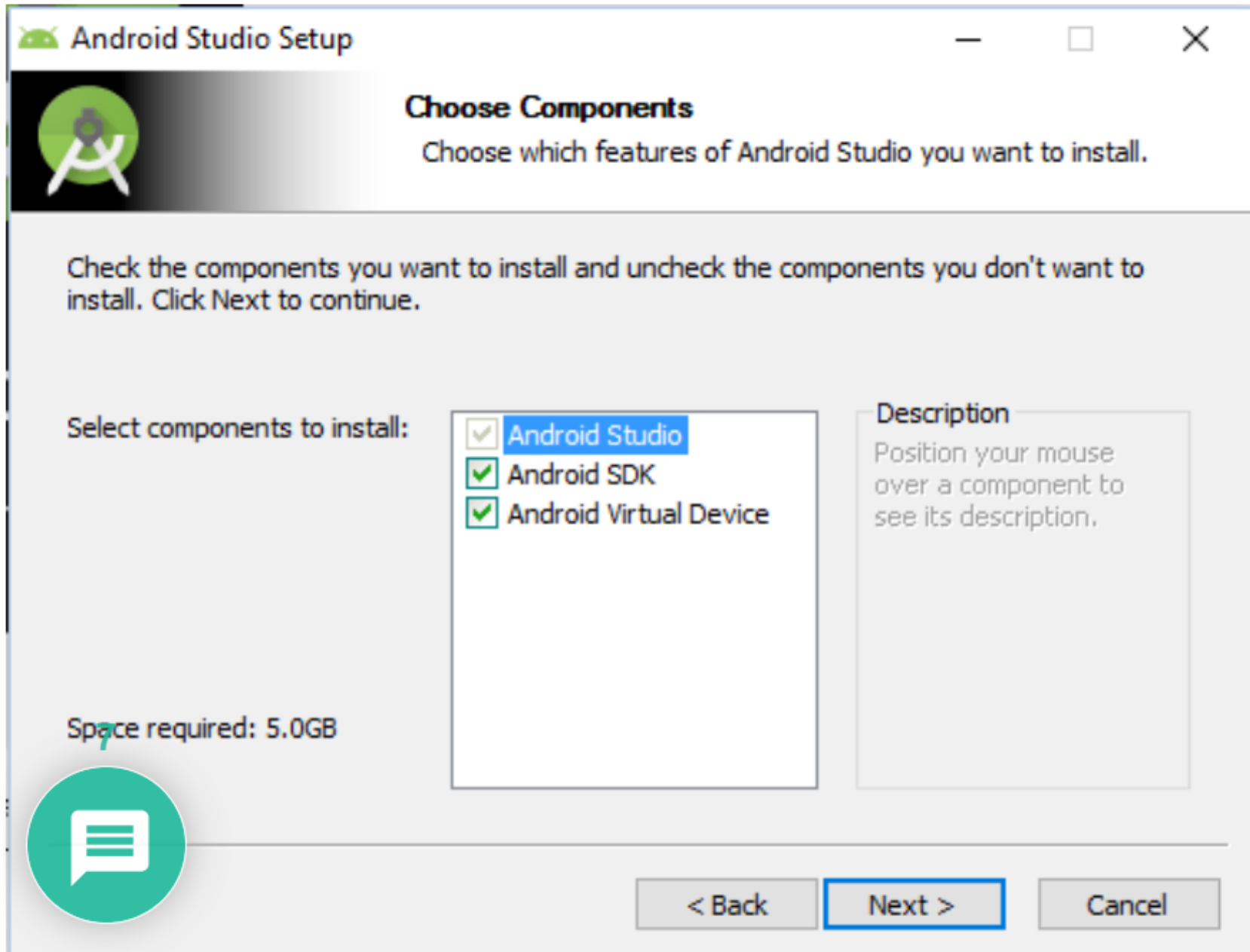
Click Next to continue.

< Back

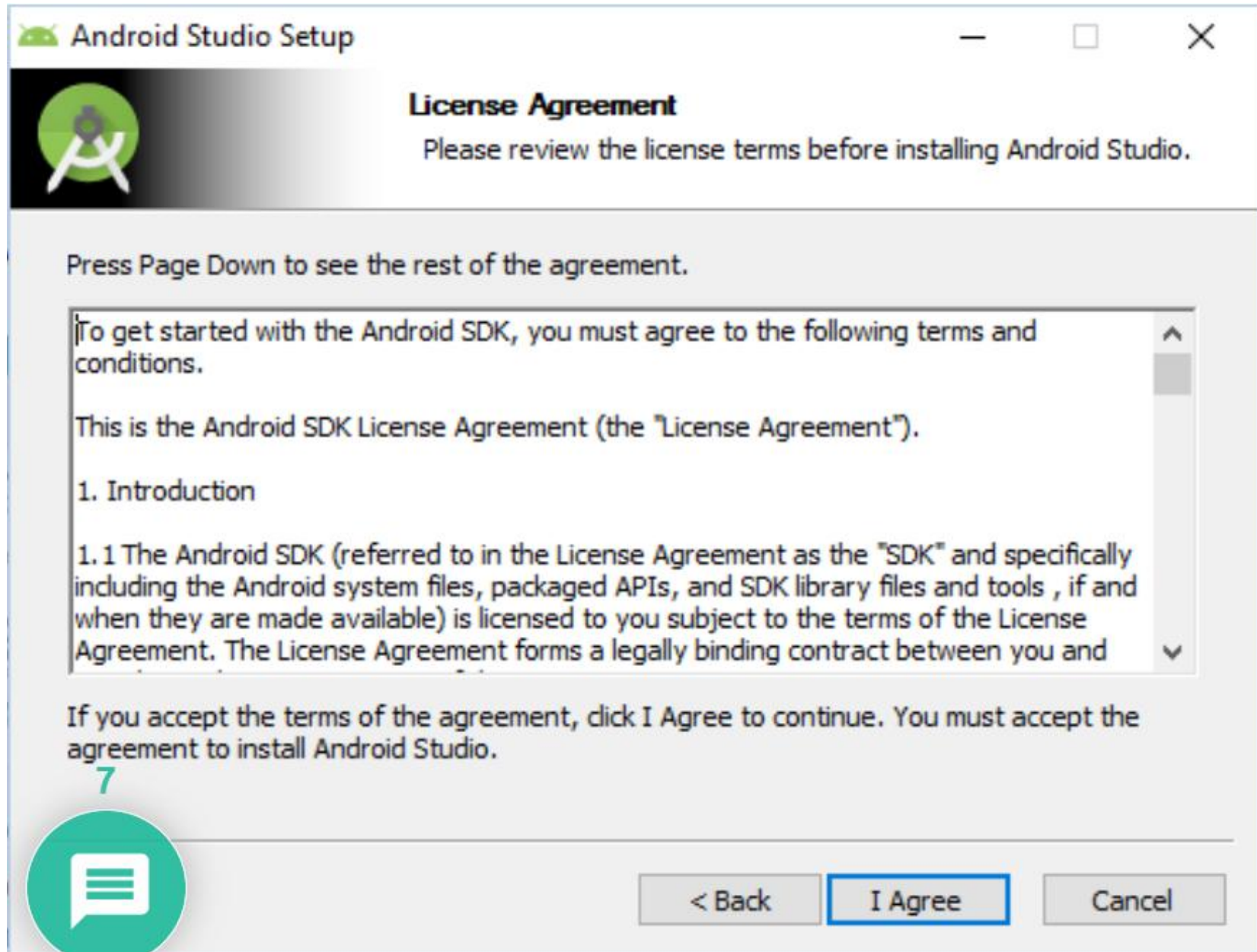
Next >

Cancel

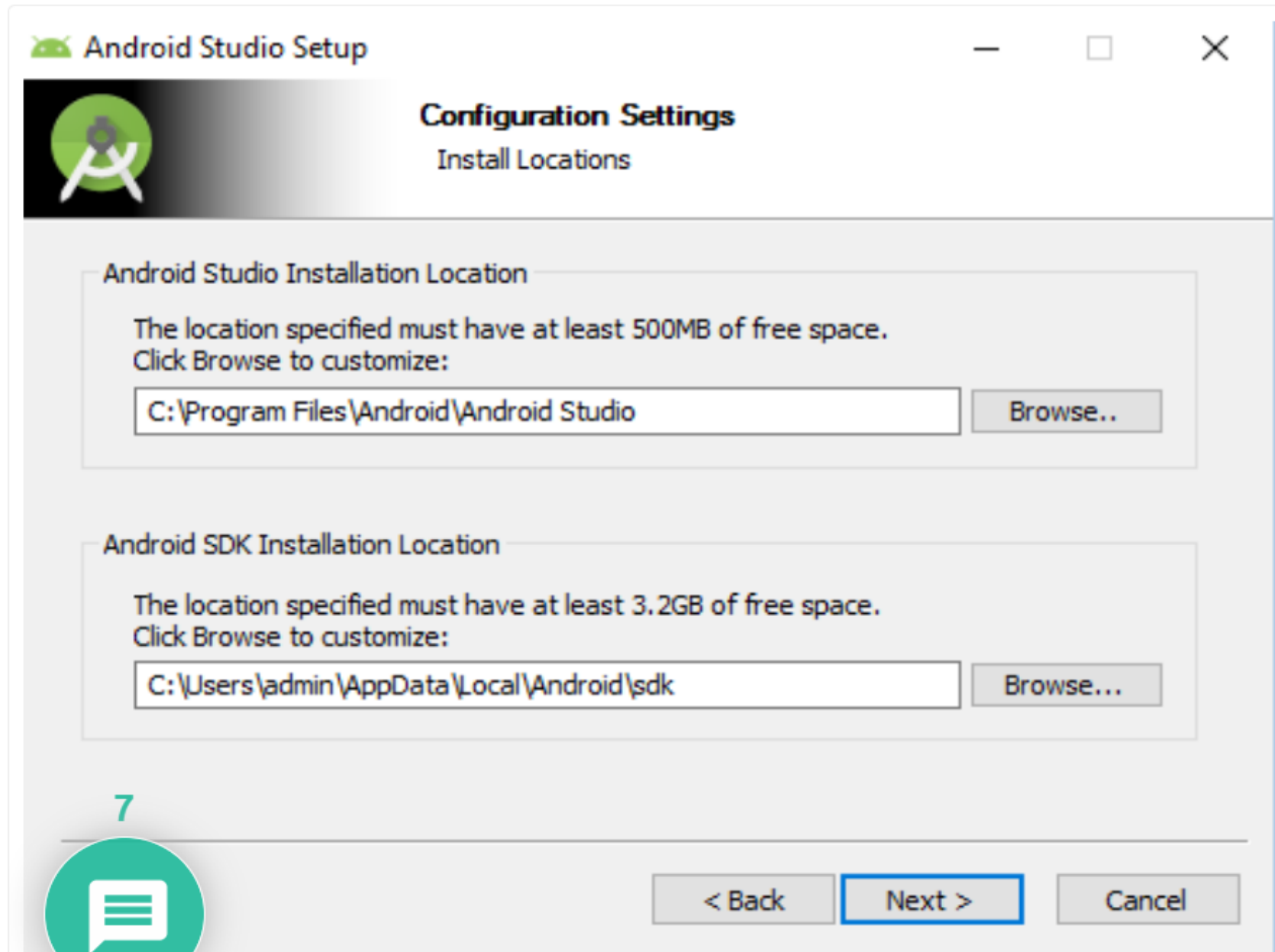
✓ Choose components



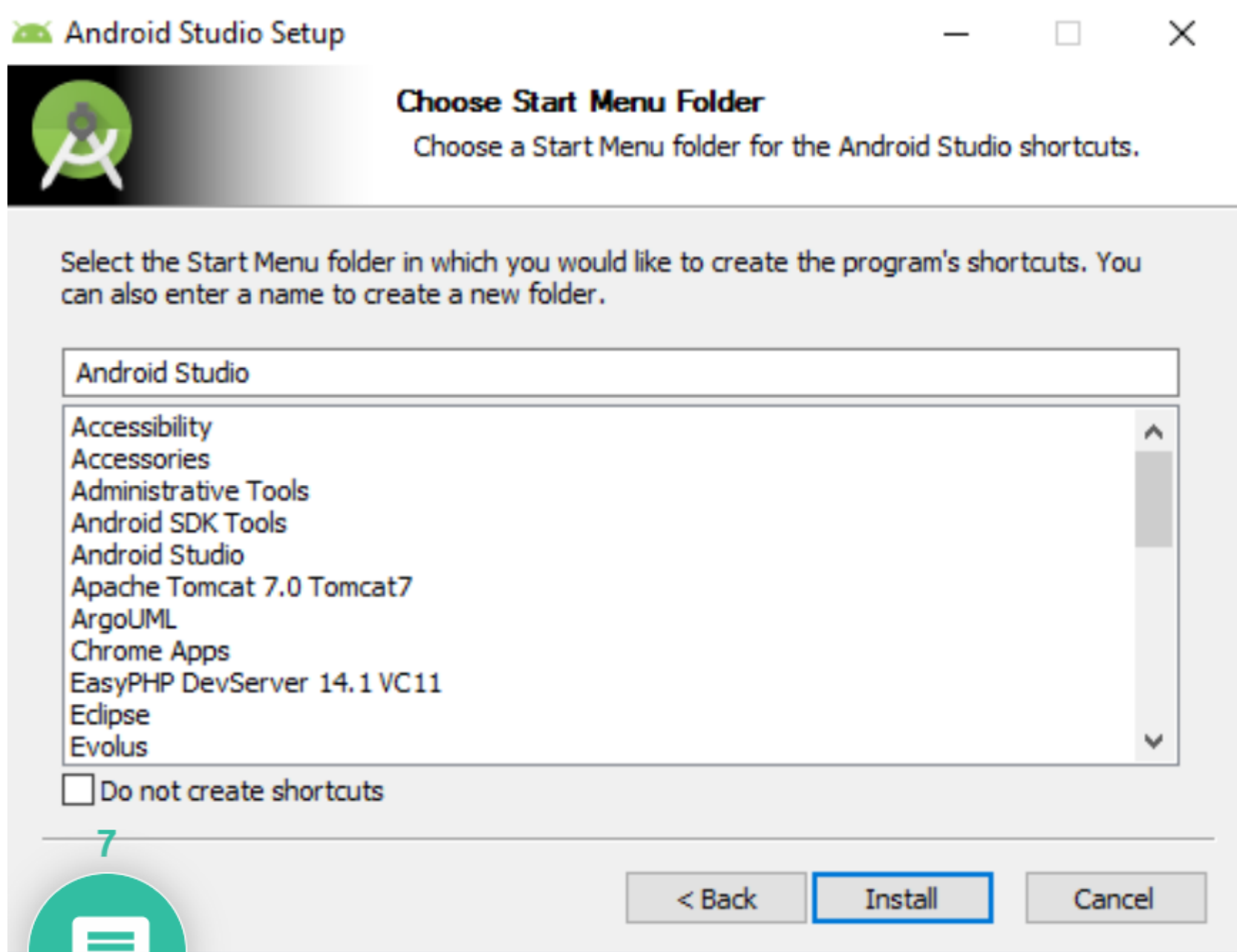
✓ Accept license and agreement



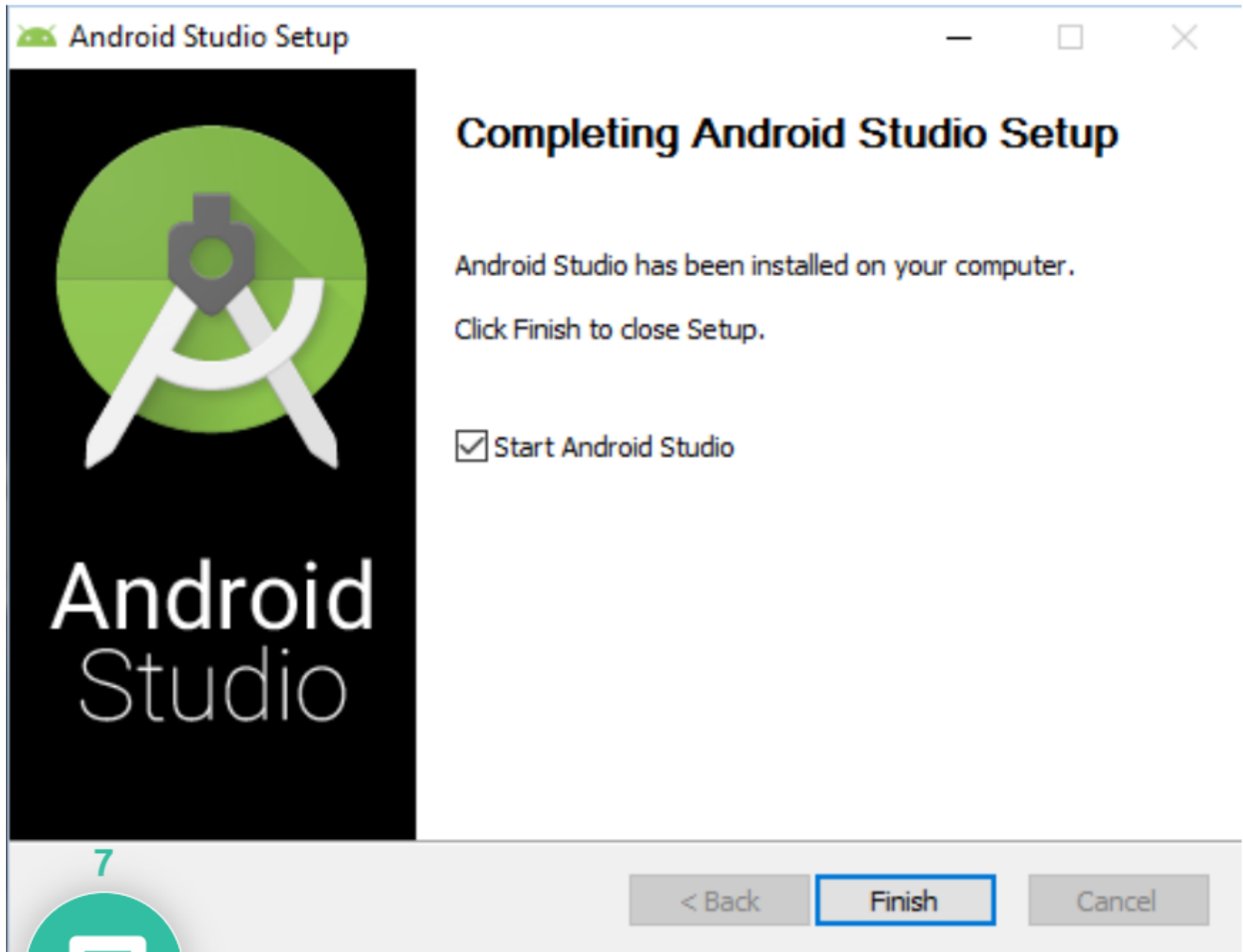
✓ Set location of installation



- ✓ Choose start menu folder

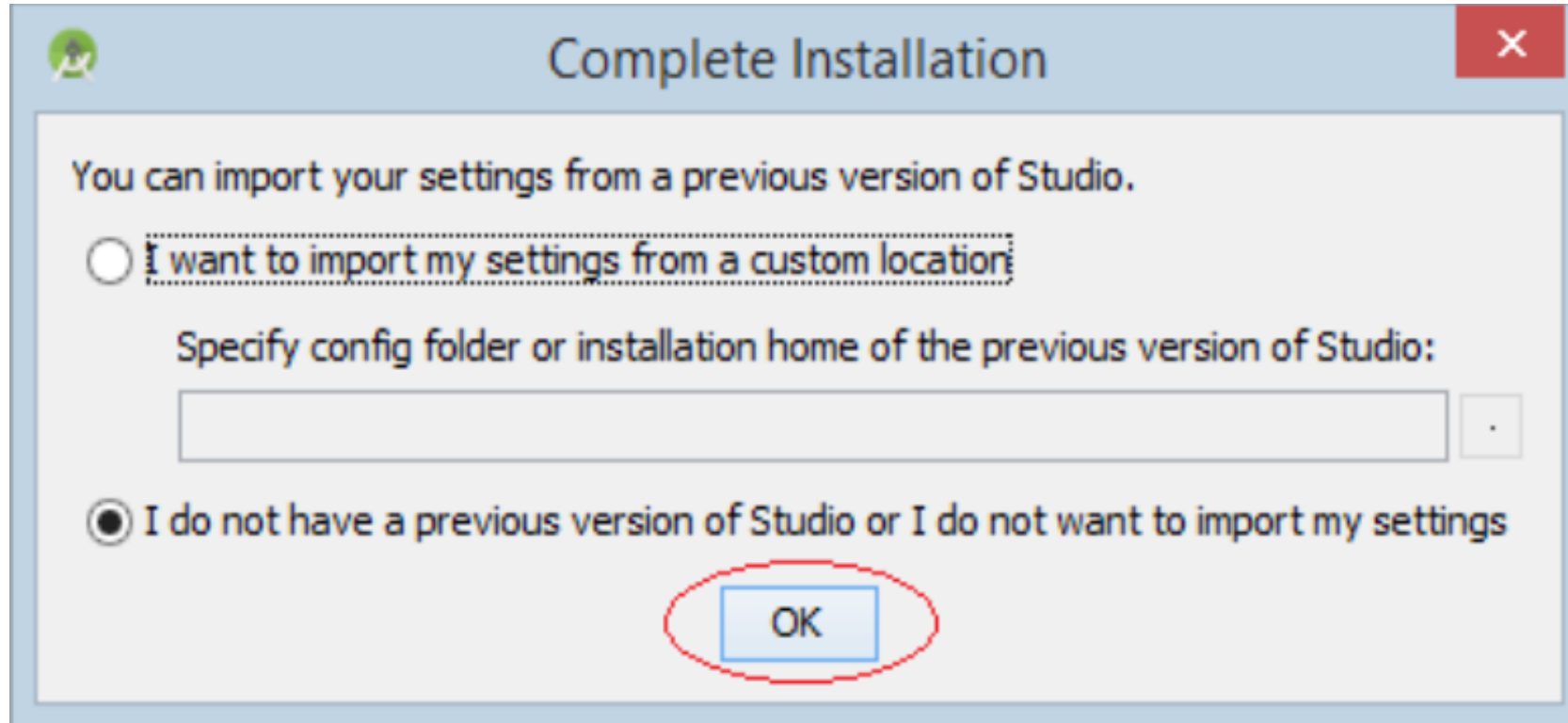


✓ Finish



Step 3 : Configure Android Studio

- ✓ Import settings



✓ Select theme

Select UI Theme

IntelliJ

Darcula

```
module > src > HelloWorld >
HelloWorld.java x
import javax.swing.*;
import java.awt.*;

public class HelloWorld {
    public HelloWorld() {
        JFrame frame = new JFrame("Hello wor
        JLabel label = new JLabel();
        label.setFont(new Font("Serif", Font
        label.
        frame.
        frame.
        frame.
        frame.
        frame.
        frame.
        frame.
```

7

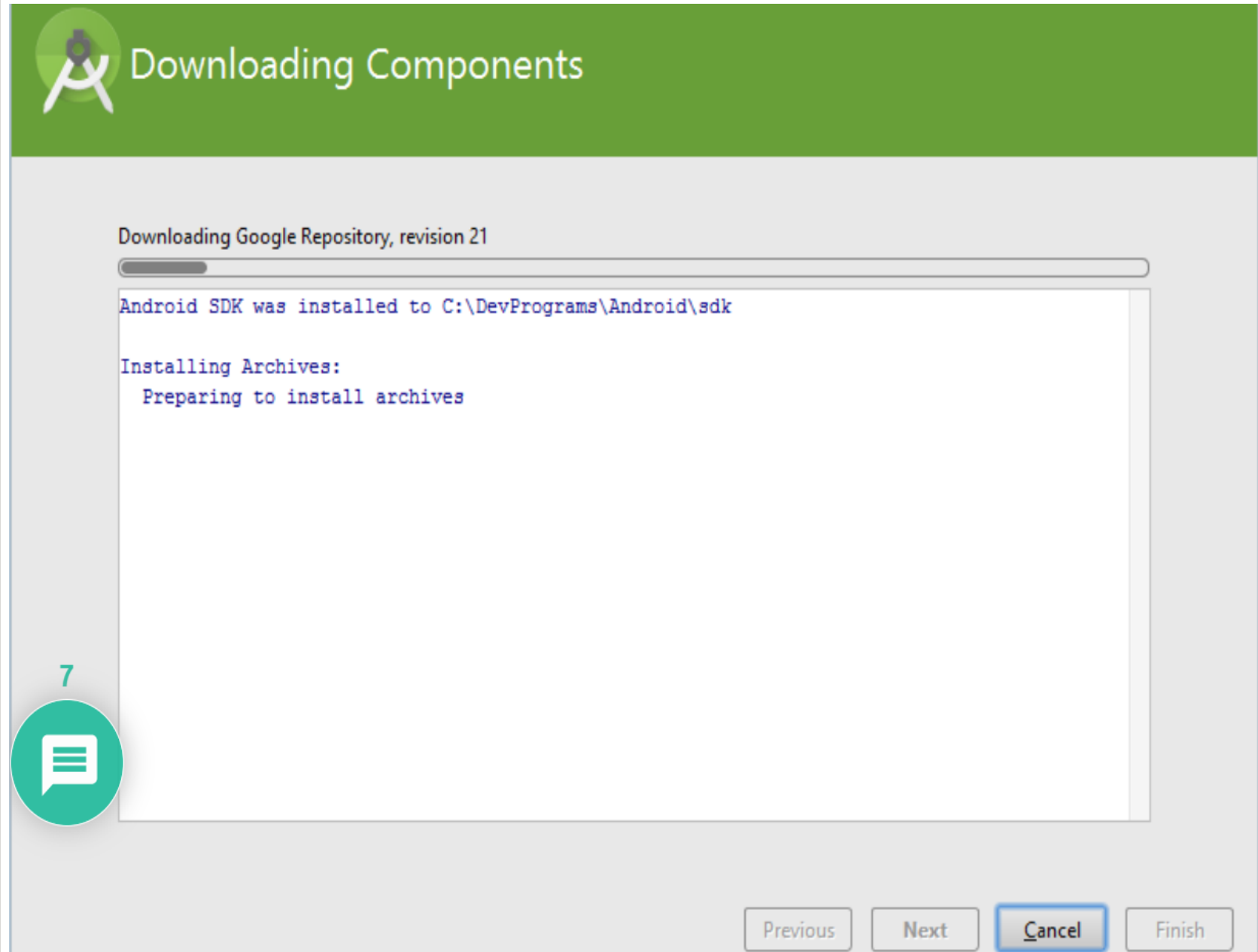
Breakpoints


Line Breakpoints

Line 6 in HelloWorld.HelloW

Previous **Next** Cancel Finish

✓ Download components




 Downloading Components

Downloading Google Repository, revision 21

Android SDK was installed to C:\DevPrograms\Android\sdk

Installing Archives:
Preparing to install archives

7 

Previous Next **Cancel** Finish



Downloading Components

Android SDK was installed to C:\DevPrograms\Android\sdk

Installing Archives:

Preparing to install archives

Installing Google Repository, revision 21

Installed Google Repository, revision 21

Done. 1 package installed.

Android SDK is up to date.

Creating Android virtual device

Android virtual device Nexus_5_API_23_x86 was successfully created

7



Previous

Next

Cancel

Finish

INSTALL ANDROID SDK

1. Open **Android Studio**.
2. In the Welcome to Android Studio window, click on **Configure > SDK Manager**.
3. Under **Appearance & Behavior > System Settings > Android SDK**, you will see a list of SDK Platforms to choose from. **Select the SDK(s)** you wish to use and click **OK** button.
4. Android Studio will confirm your selection. Click **OK** button.
5. Click the **Accept** radio button and click the **Next** button.
6. Once the requested components have been installed, click **Finish** button.