Practical 1: Android Studio setup for Flutter development with along with Dart SDK.

Solution:

Step 1: Installing a Flutter.

i. System Requirements:

- Assure that your system meets the minimum requirements. Flutter supports macOS, Linux, and Windows.
- On macOS, you need Xcode with the command-line tools installed.
- On Linux, you need to have git, lib32stdc++6, and other dependencies installed.

ii. Download Flutter:

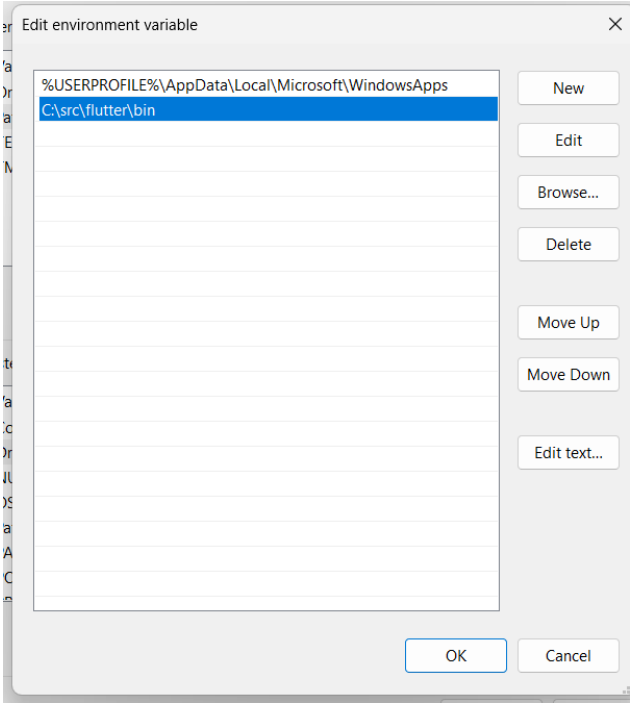
- Visit Flutter Website for Installation of Flutter -> **https://docs.flutter.dev/get-started/install**.

iii. Extract Flutter:

- If you downloaded the ZIP file, extract it to a location on your machine. **(C:\src\flutter)**.

iv. Set Up Environment Variables:

- Add the **C:\src\flutter\bin** directory to your system's PATH variable.



v. Run flutter doctor:

- Open a terminal and run the following command: flutter doctor
- This command checks your environment and displays a report of any missing dependencies or issues.

vi. Install Flutter Dependencies:

- Follow the instructions provided by flutter doctor to install any missing dependencies. This may include things like Android Studio, Xcode command-line tools, etc.

Step 2: Installing Android Studio.

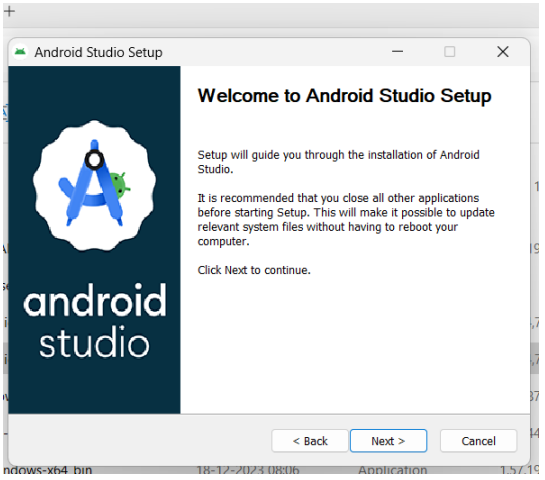
i. Download Android Studio:

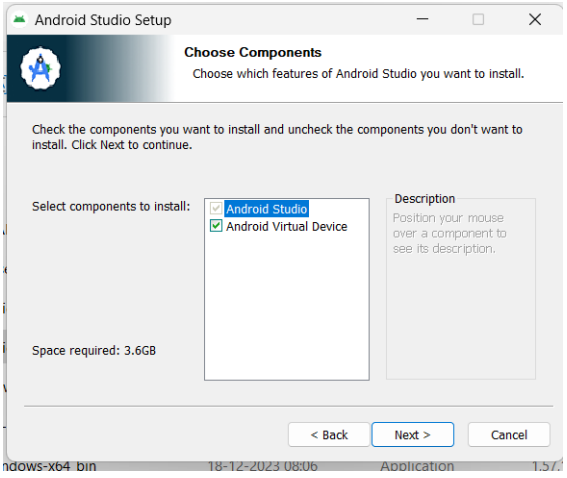
- Visit the Android Studio download page.
- Click on the "Download" button and download the Windows version.

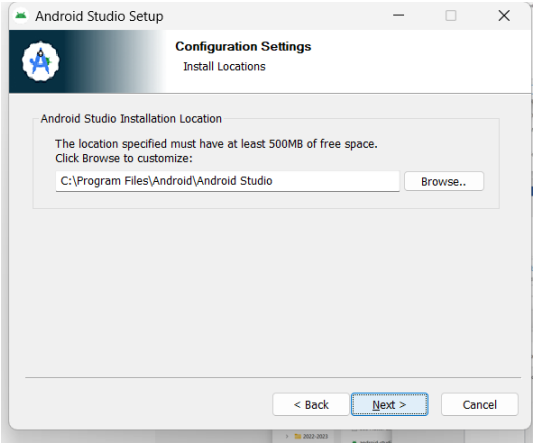
ii. Run the Installer:

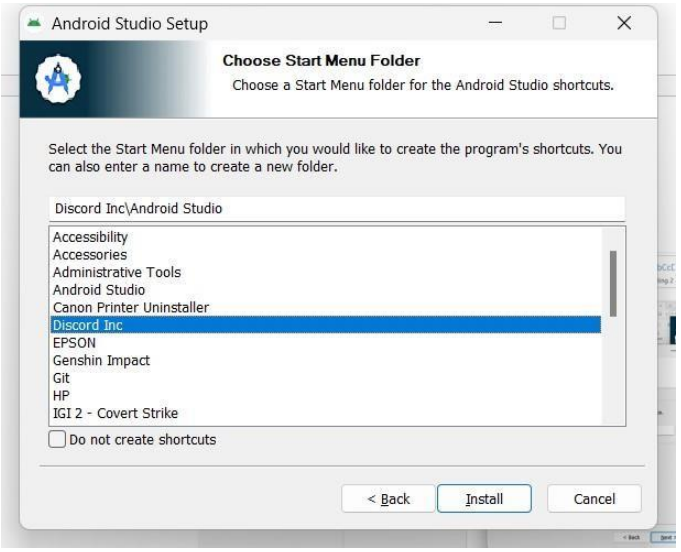
- Once the download is complete, run the installer executable (.exe) file.

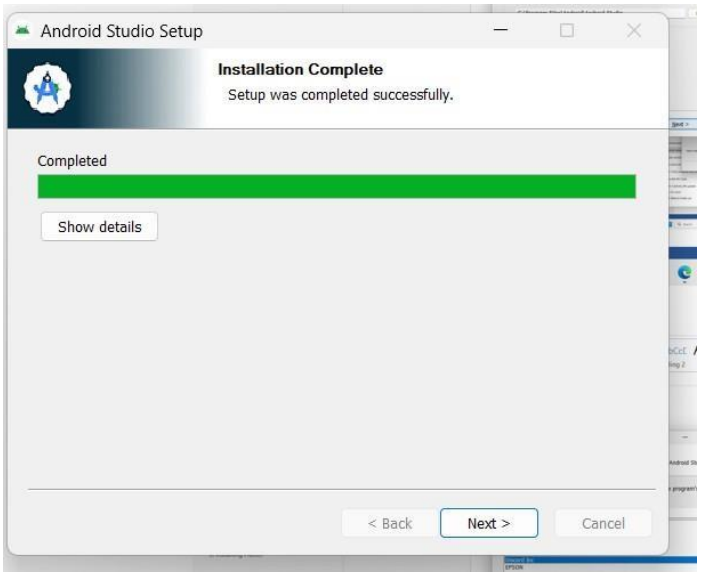
iii. Follow Installation Wizard:

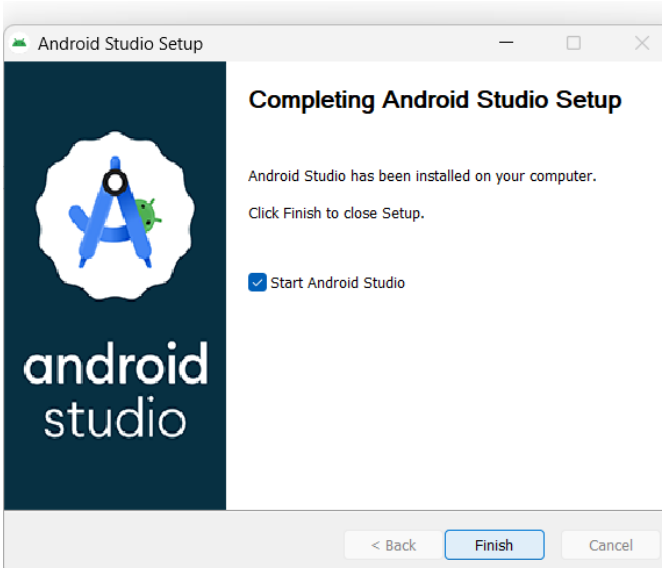




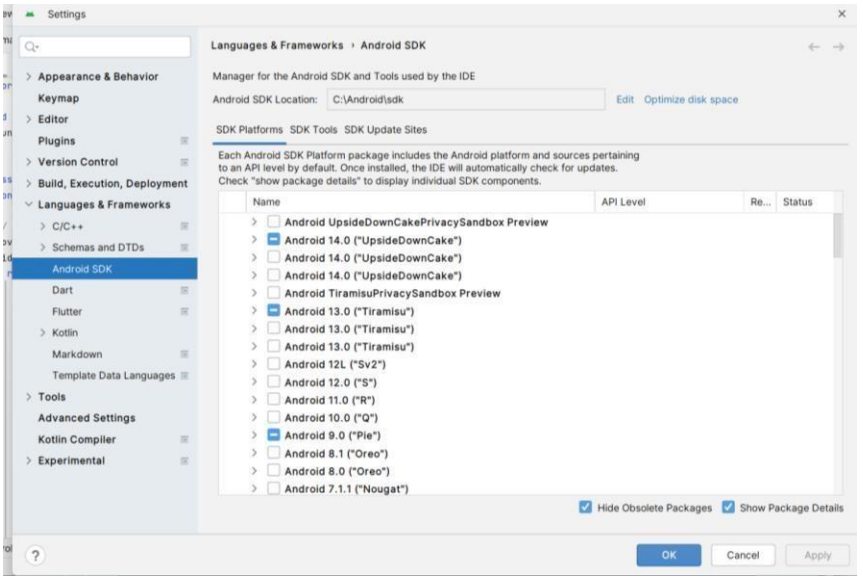



Android Studio Setup
Choose Start Menu Folder
Choose a Start Menu folder for the Android Studio shortcuts.
Select the Start Menu folder in which you would like to create the program's shortcuts. You can also enter a name to create a new folder.
Discord Inc\Android Studio
Accessibility
Accessories
Administrative Tools
Android Studio
Canon Printer Uninstaller
Discord Inc
EPSON
Genshin Impact
Git
HP
IGI 2 - Covert Strike
Do not create shortcuts
< Back
Install
Cancel

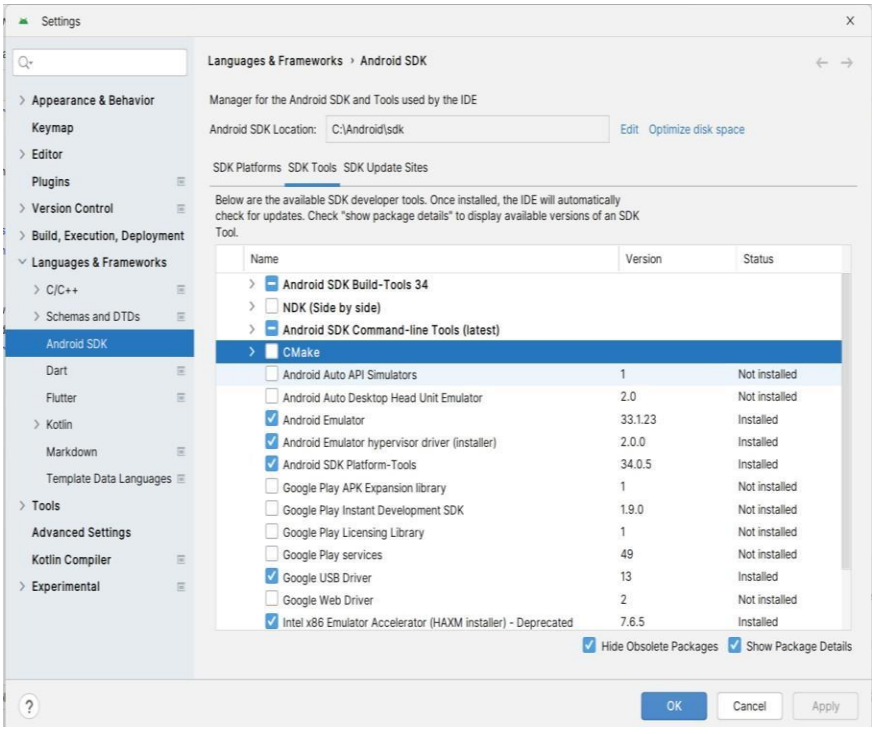

Android Studio Setup
Installation Complete
Setup was completed successfully.
Completed
Show details
< Back
Next >
Cancel


Android Studio Setup
Completing Android Studio Setup
Android Studio has been installed on your computer.
Click Finish to close Setup.
Start Android Studio
android studio
< Back
Finish
Cancel

- **Android SDK Platforms**:



- **Android SDK Tools:**



Step 3: Run Following Command for checking Flutter dependencies on after installation of android.

iv. Accept Android Licenses

- Flutter doctor --android-licenses to develop for Android, you need to accept the Android licenses.
- Run the following command: **flutter doctor --android-licenses**