Setting up Development Environment

Mobile App Development

Lecture Set – 02

Engr. Ali Asghar Manjotho, Assistant Professor, CSE-MUET

Download Tools

https://git-scm.com/download/win

https://developer.android.com/studio

https://visualstudio.microsoft.com/vs/community/

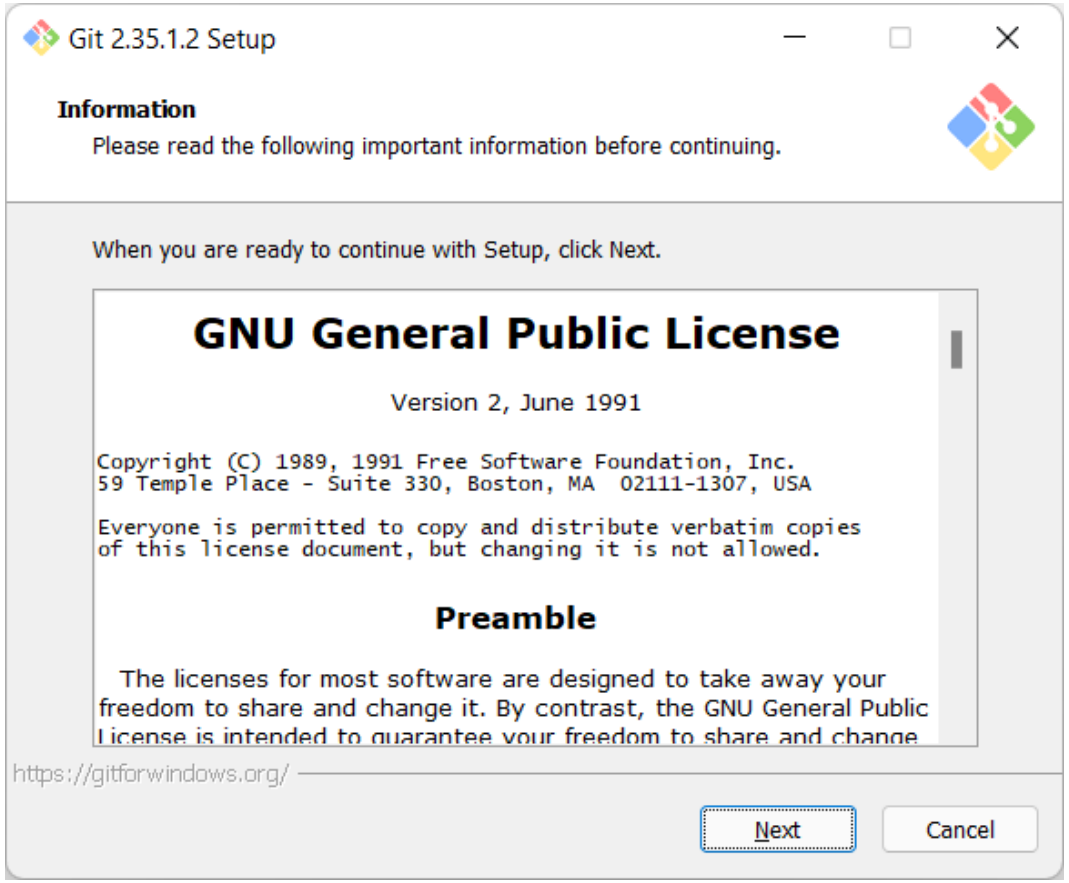
https://docs.flutter.dev/get-started/install/windows

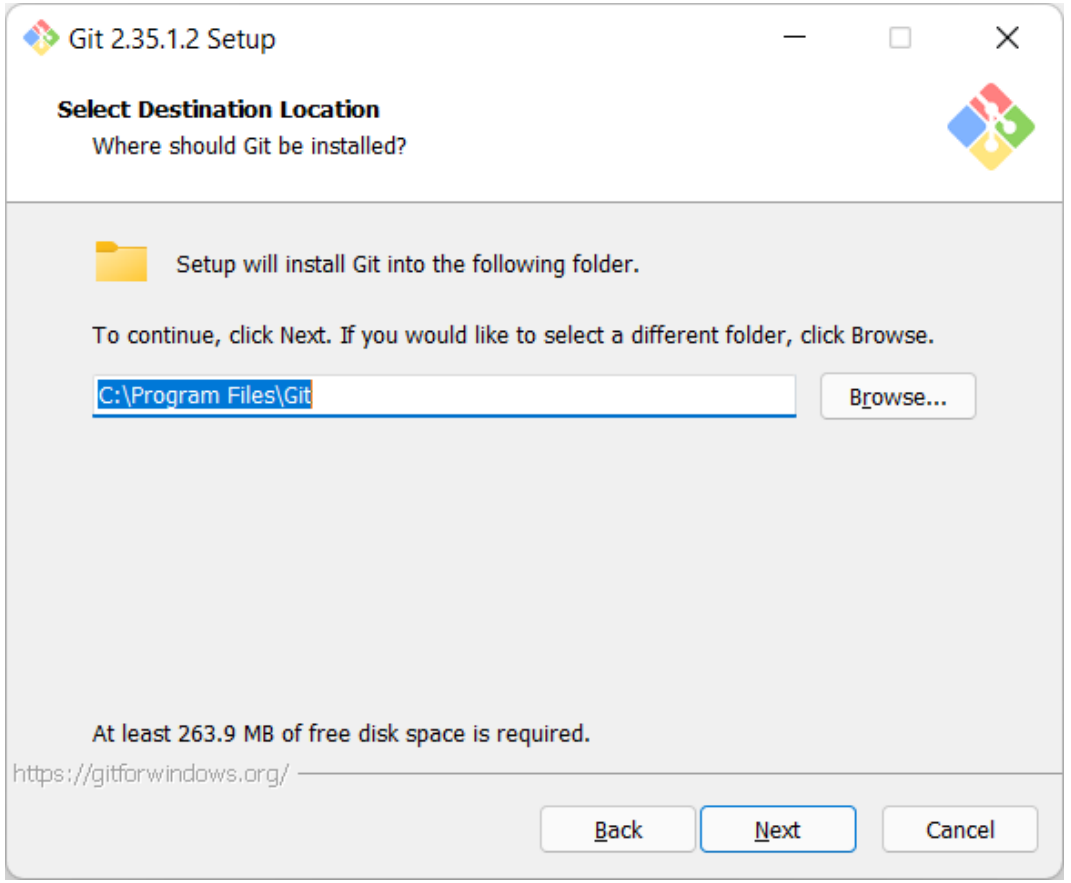
https://code.visualstudio.com/download

Installing Git for windows

- Execute the downloaded git setup package and follow the wizard instructions.

Installing Git for windows

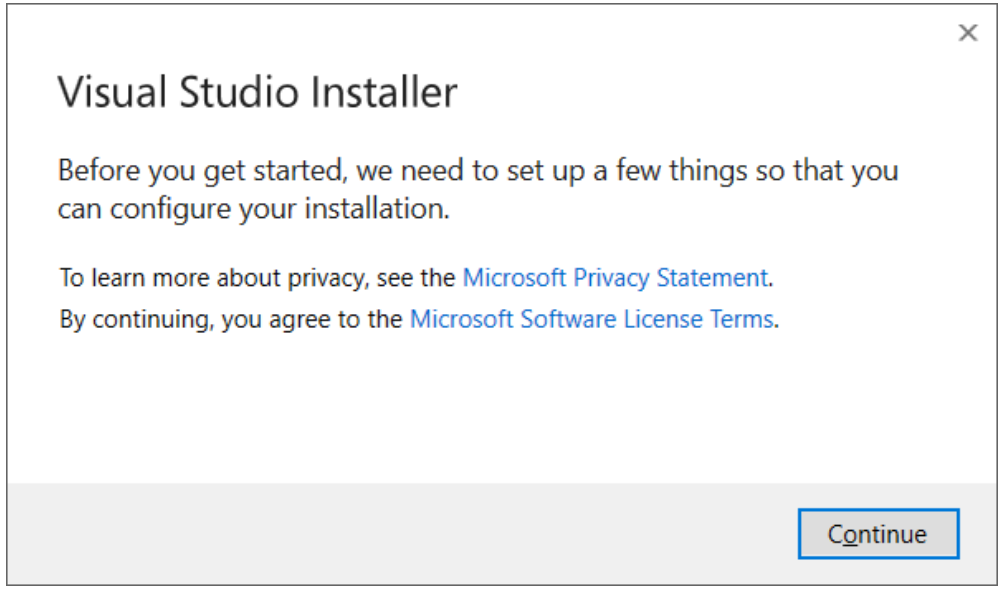


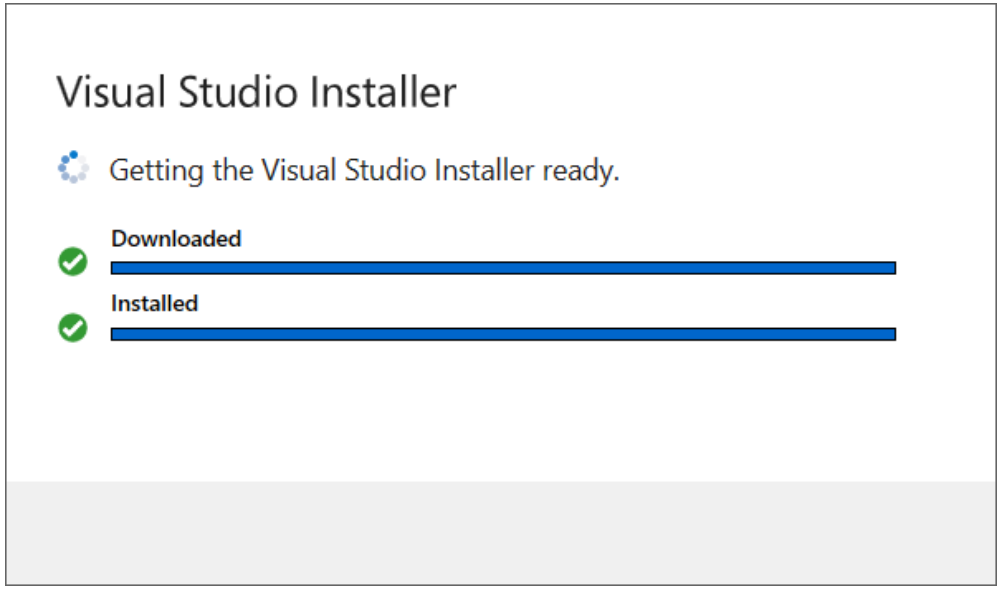


Installing Visual Studio Community 2022

- Execute the MS Visual Studio installation setup file and follow the wizard instructions.

Installing Visual Studio Community 2022





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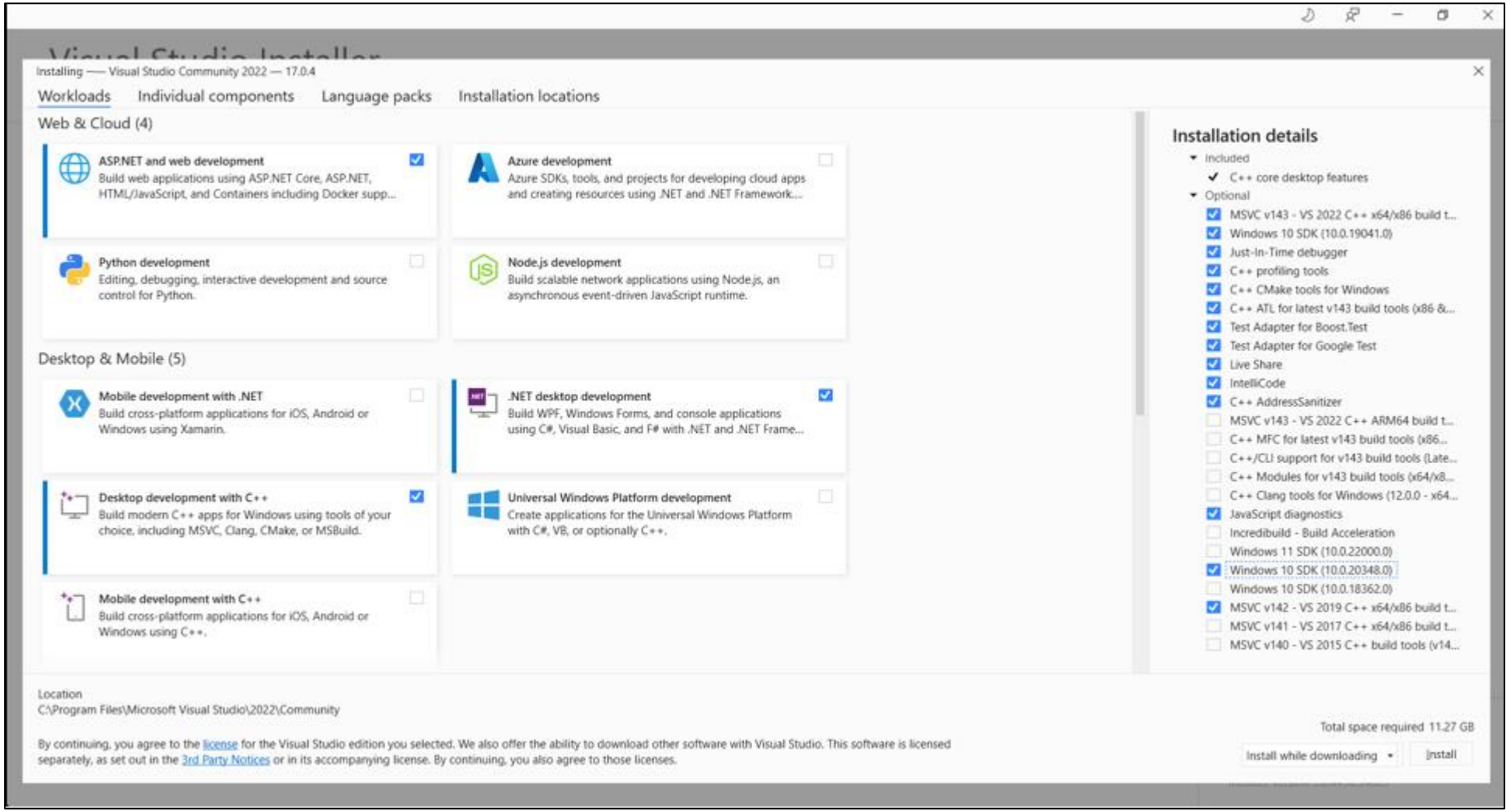

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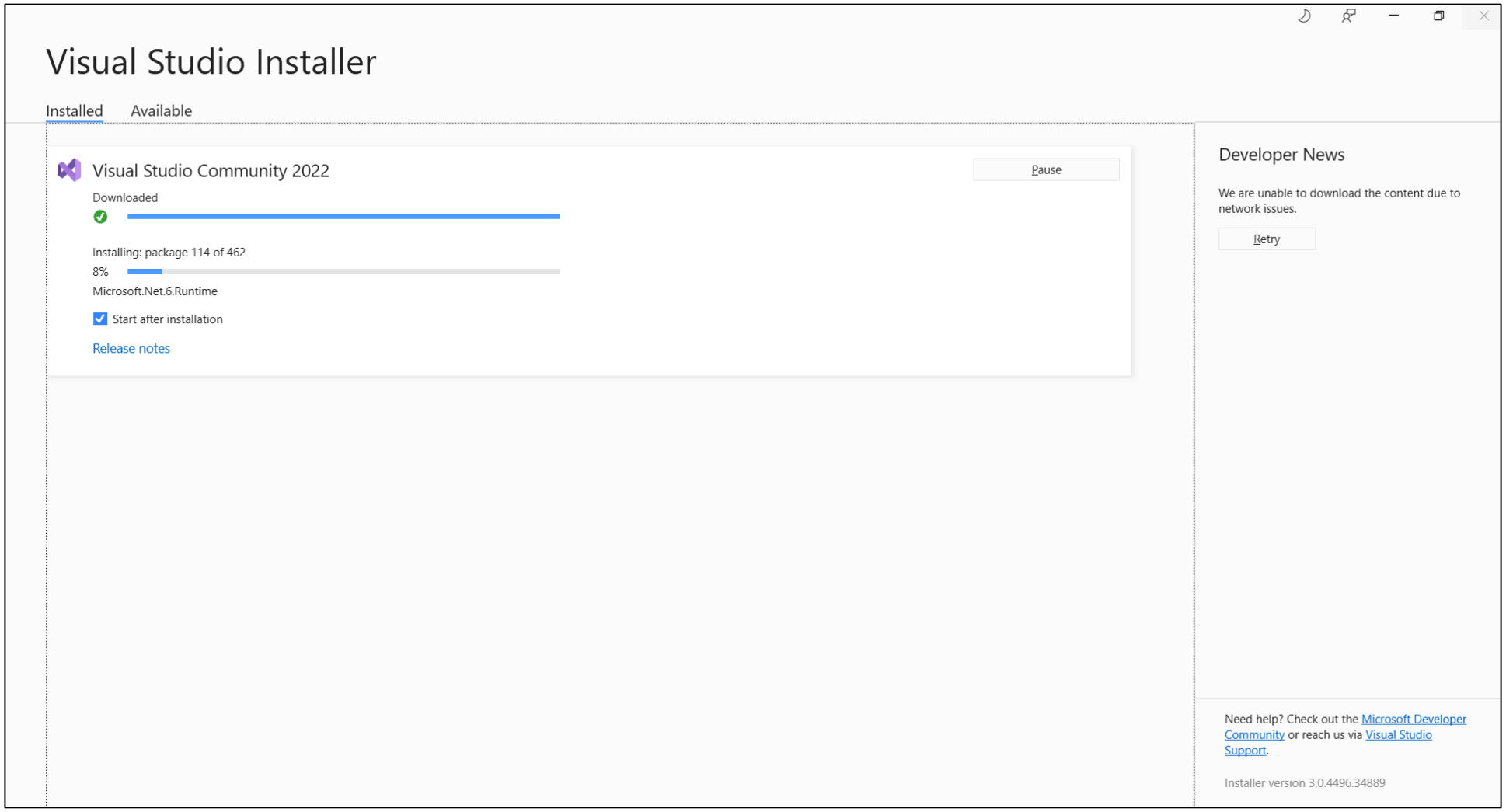
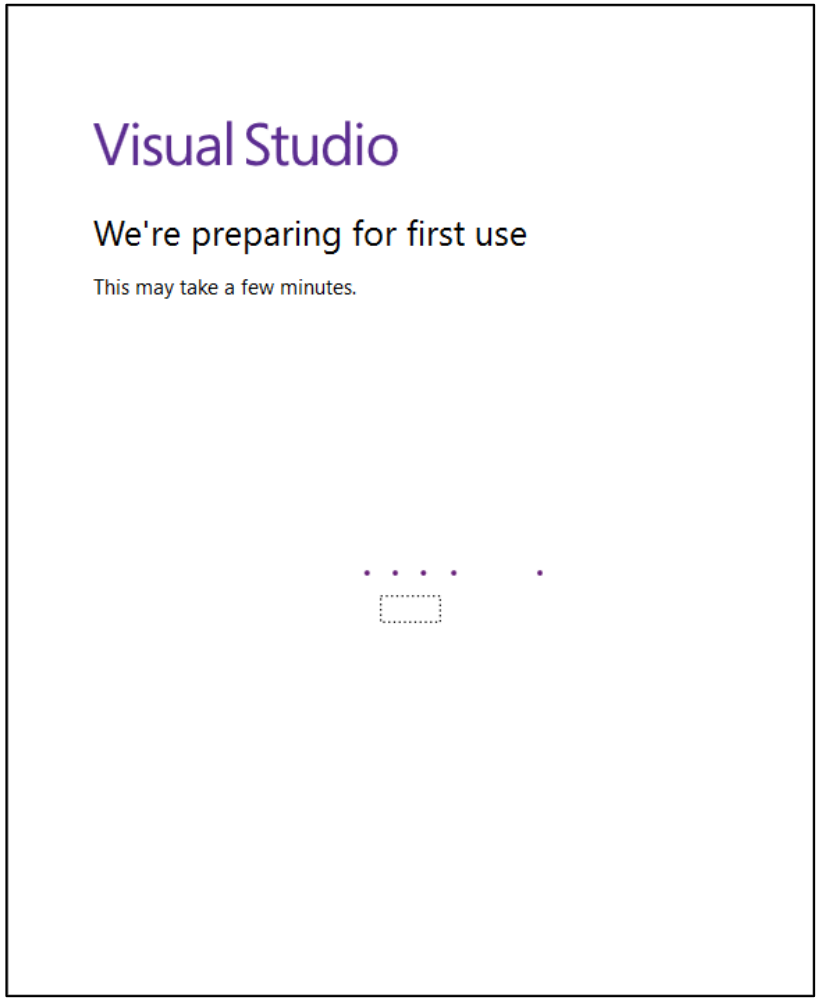
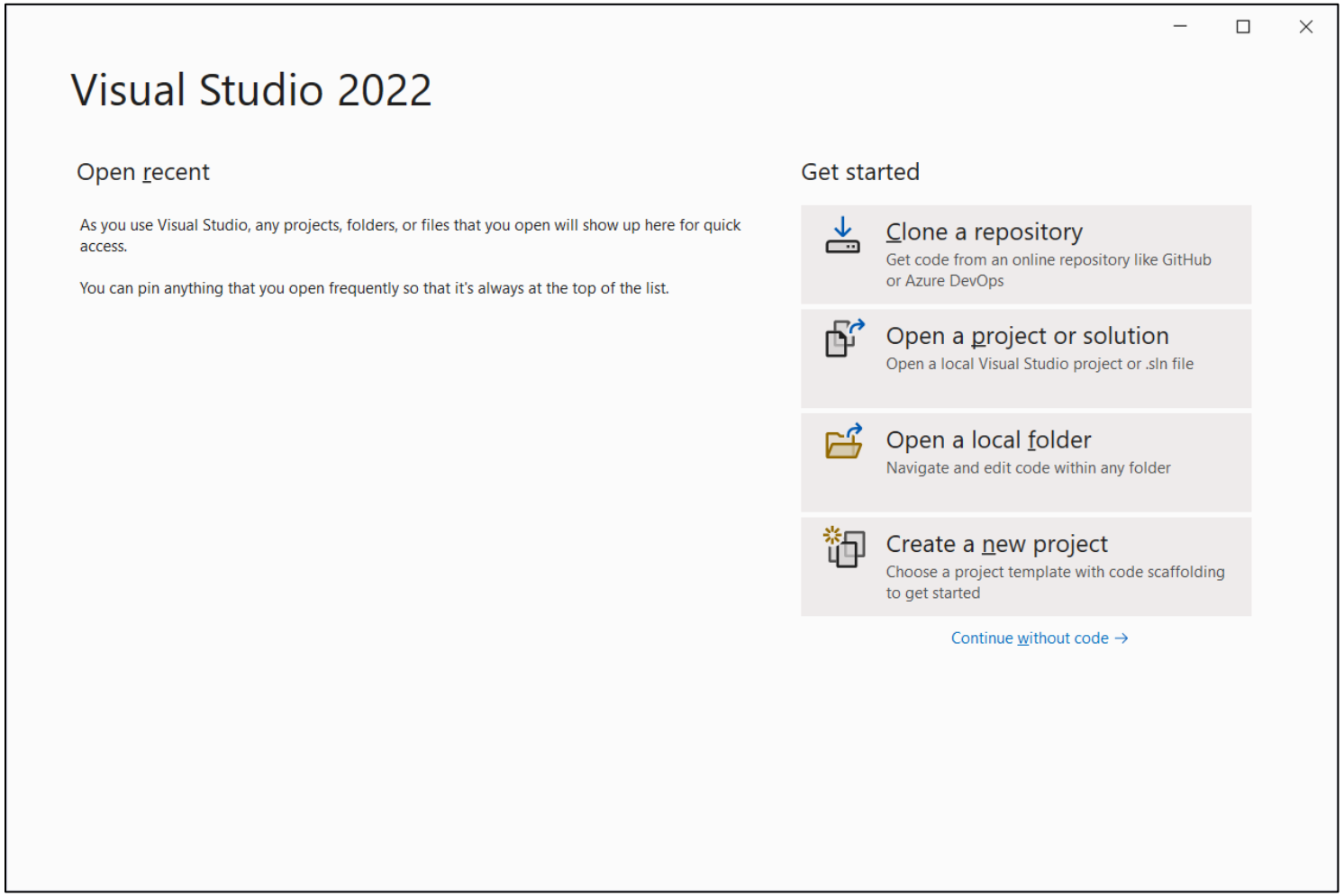


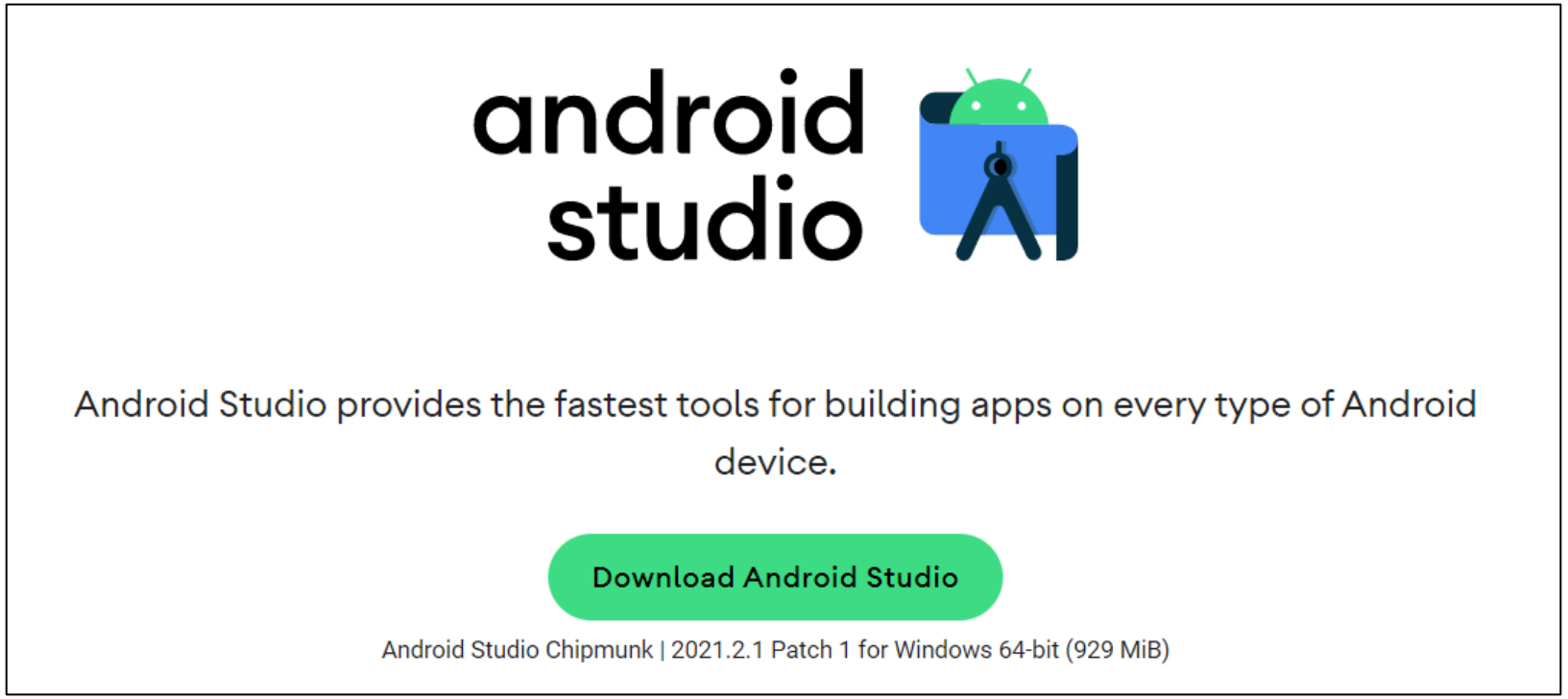
Installing Visual Studio Community 2022





Installing Android Studio

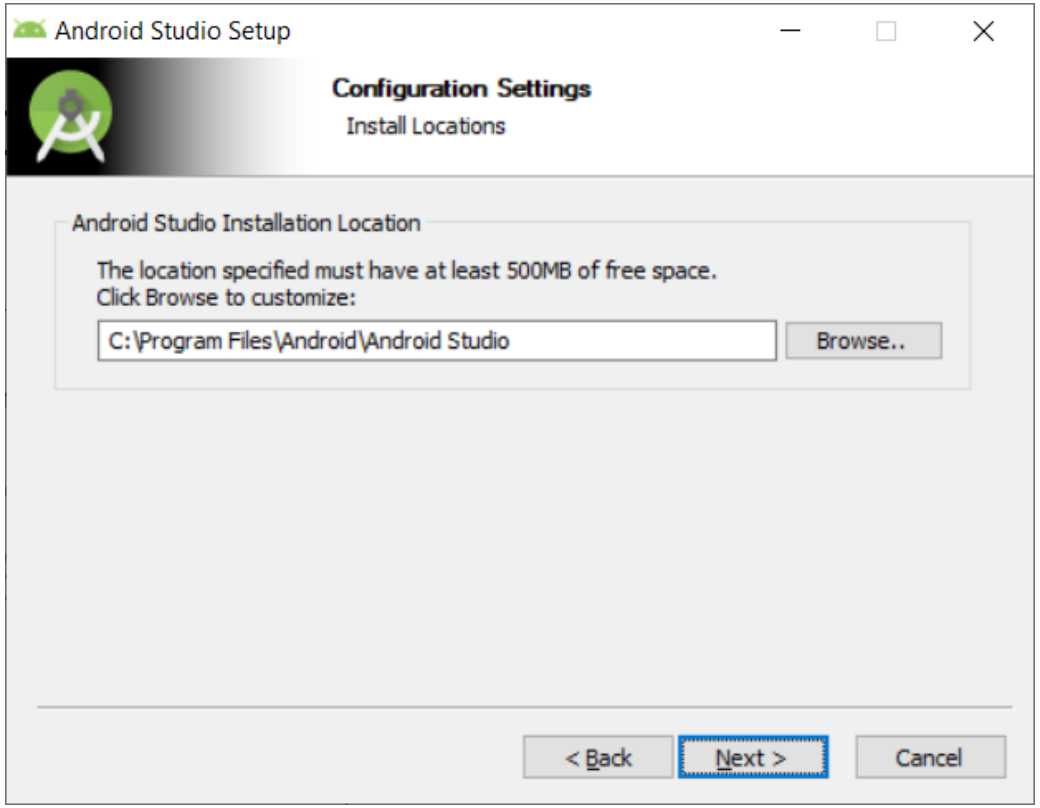
- Download 64-bit Android Studio 2021.
- https://developer.android.com/studio



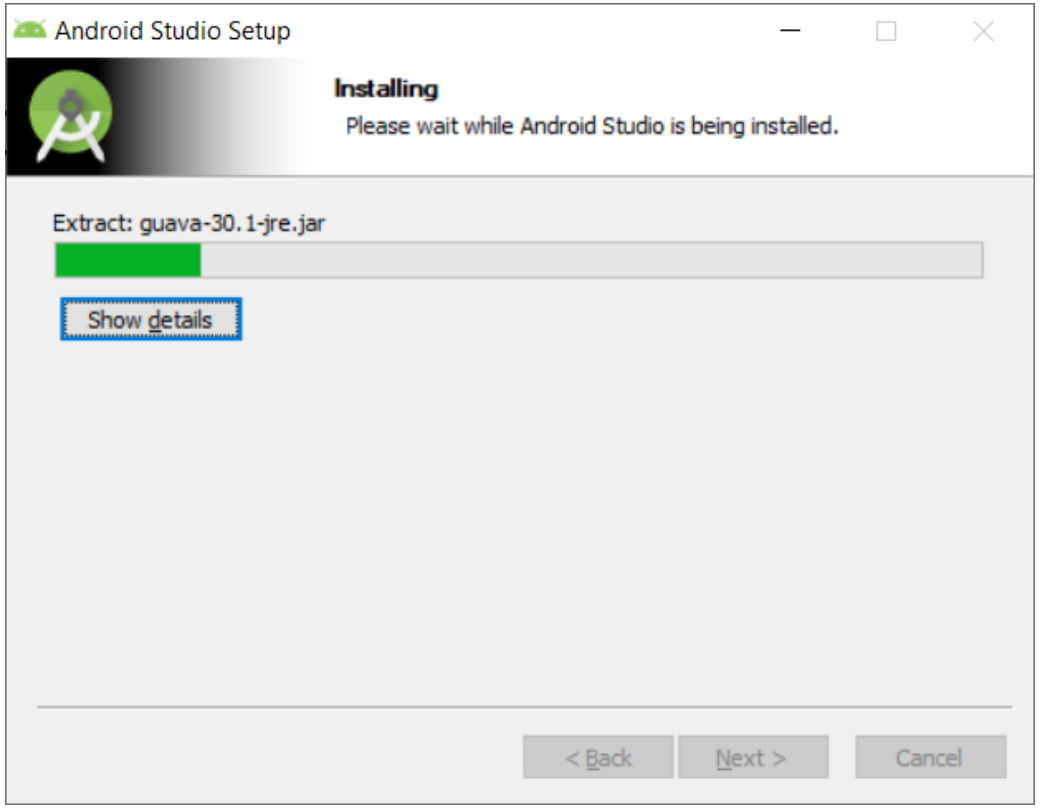
Installing Android Studio

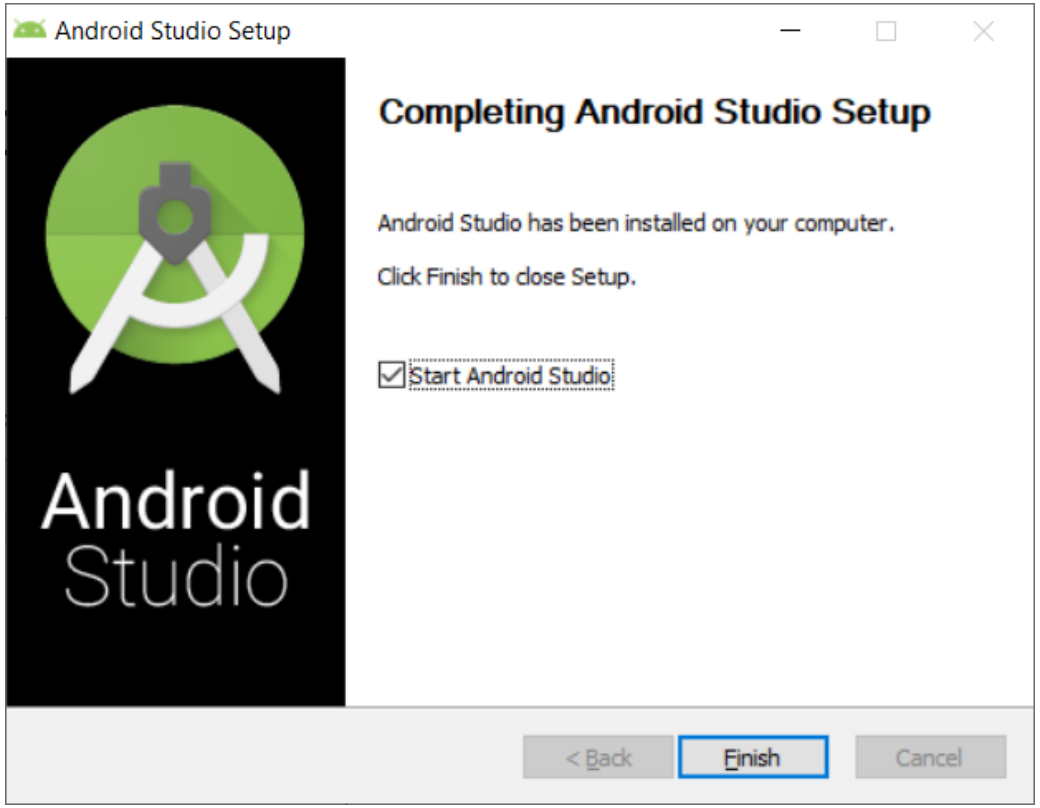
- Execute the Android Studio installation setup file and follow the wizard instructions.

Installing Android Studio



Installing Android Studio





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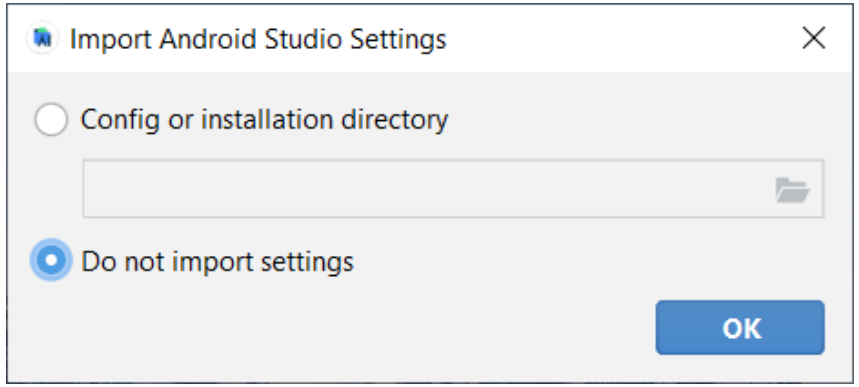

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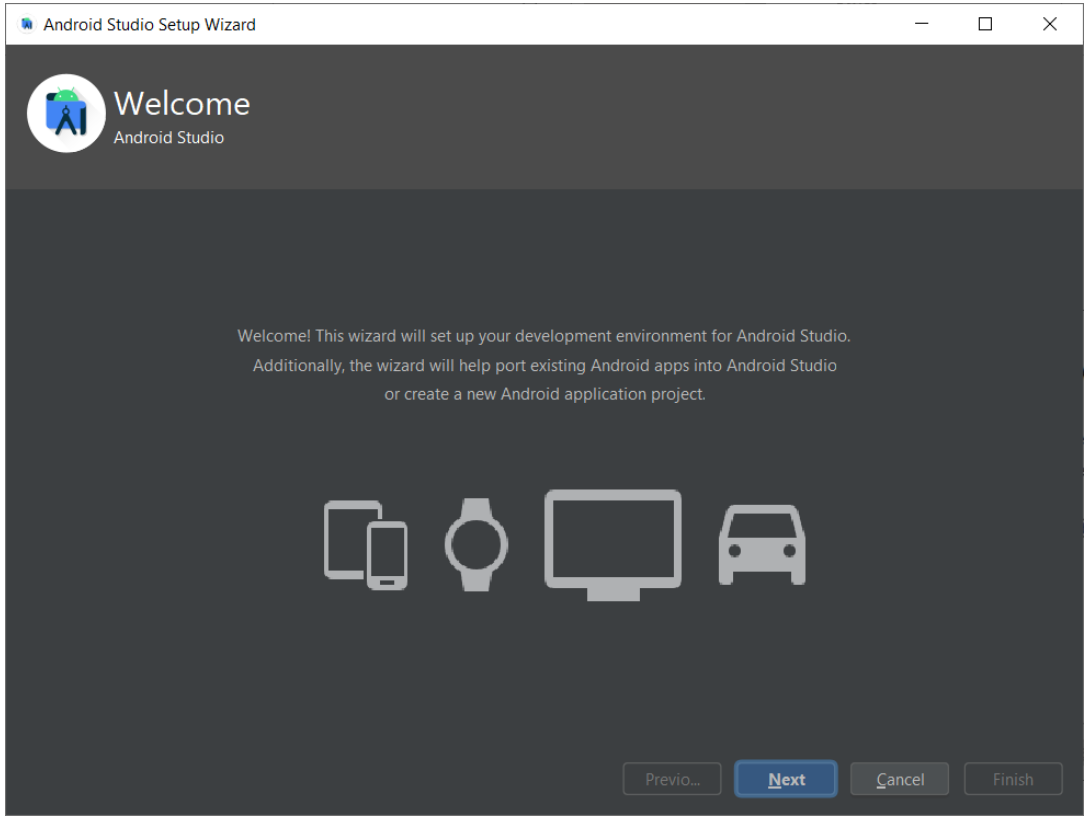

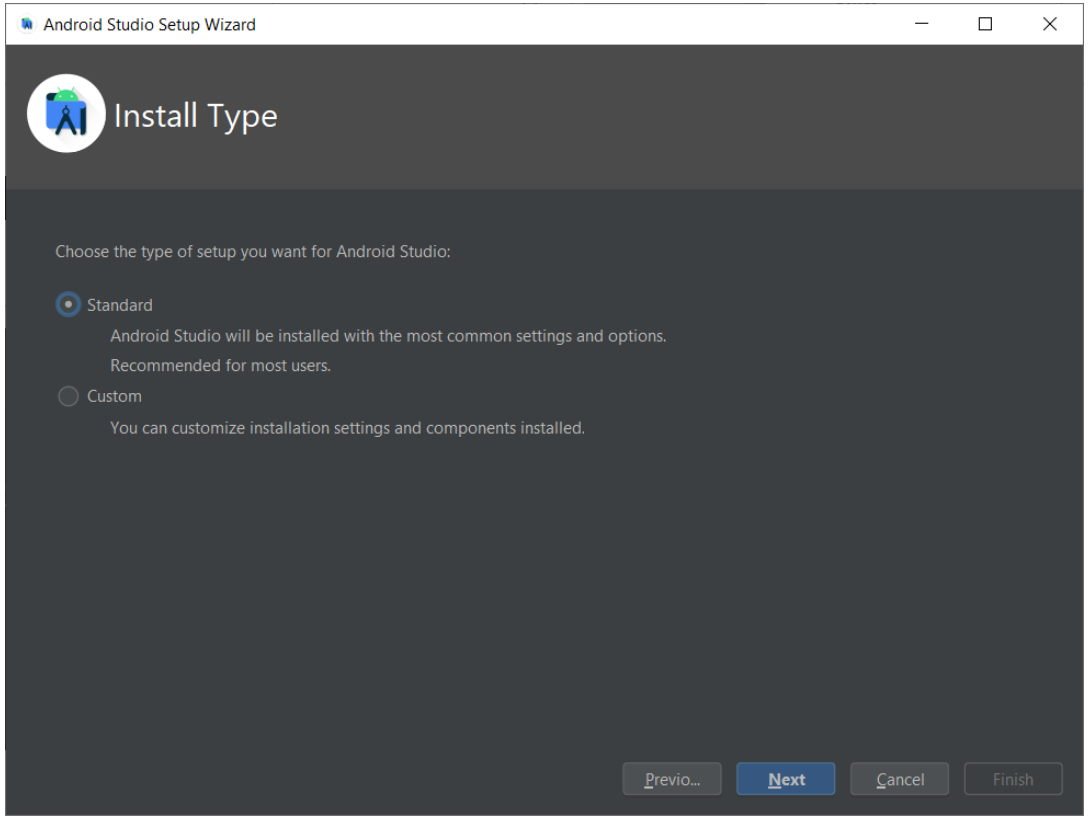

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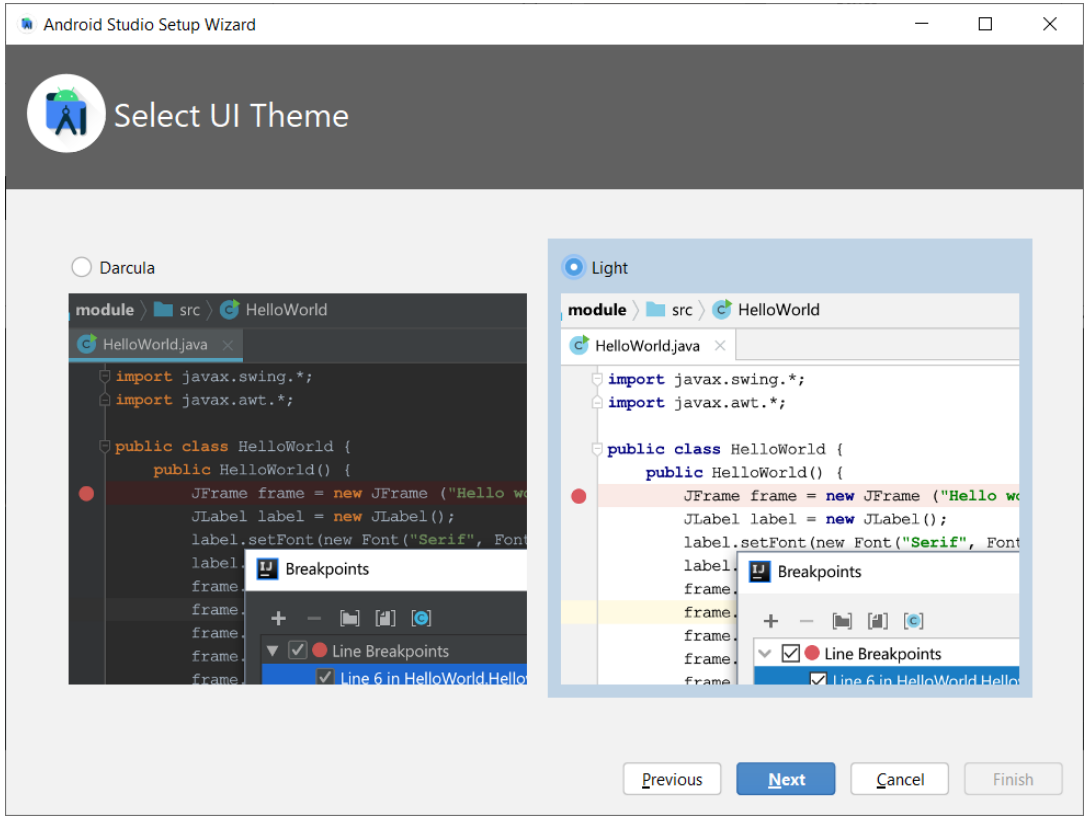

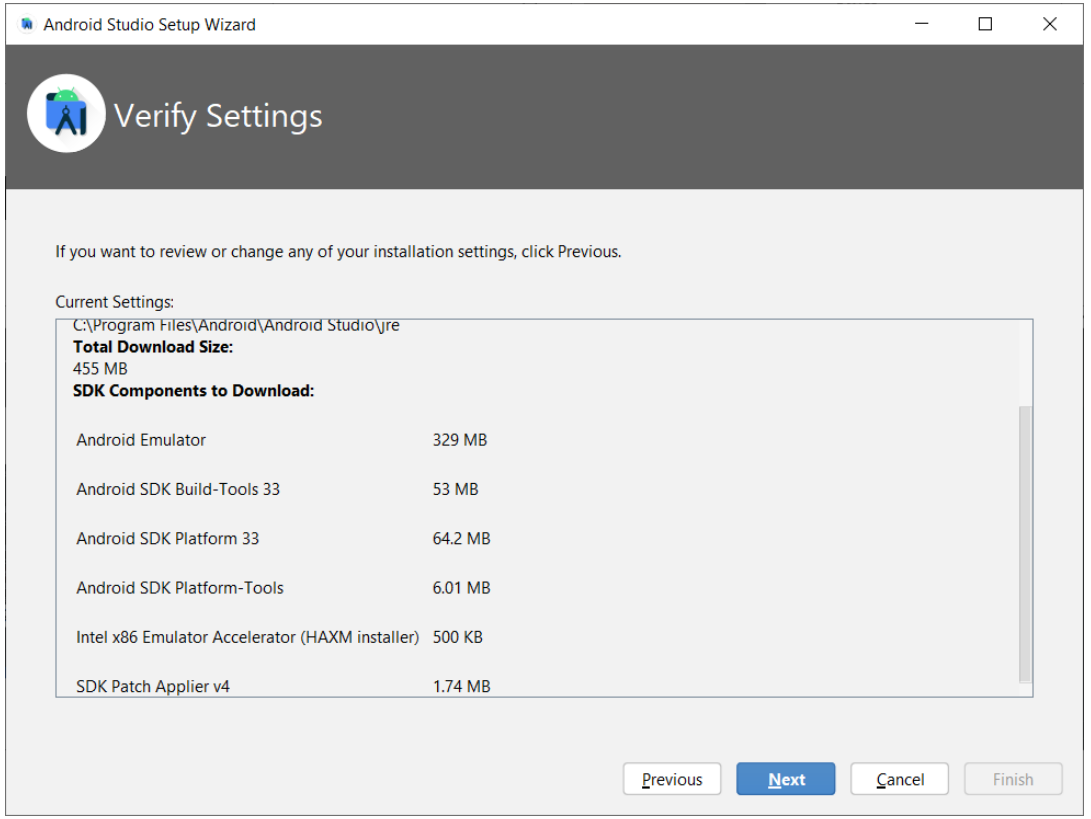

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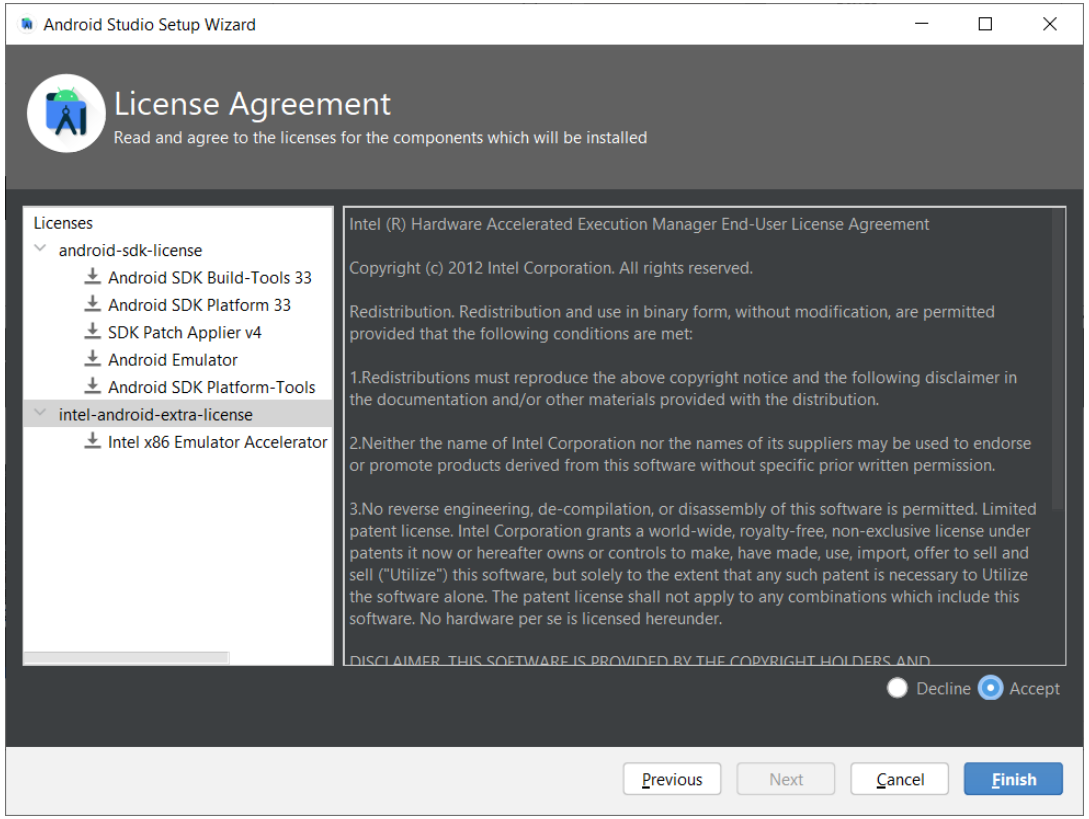

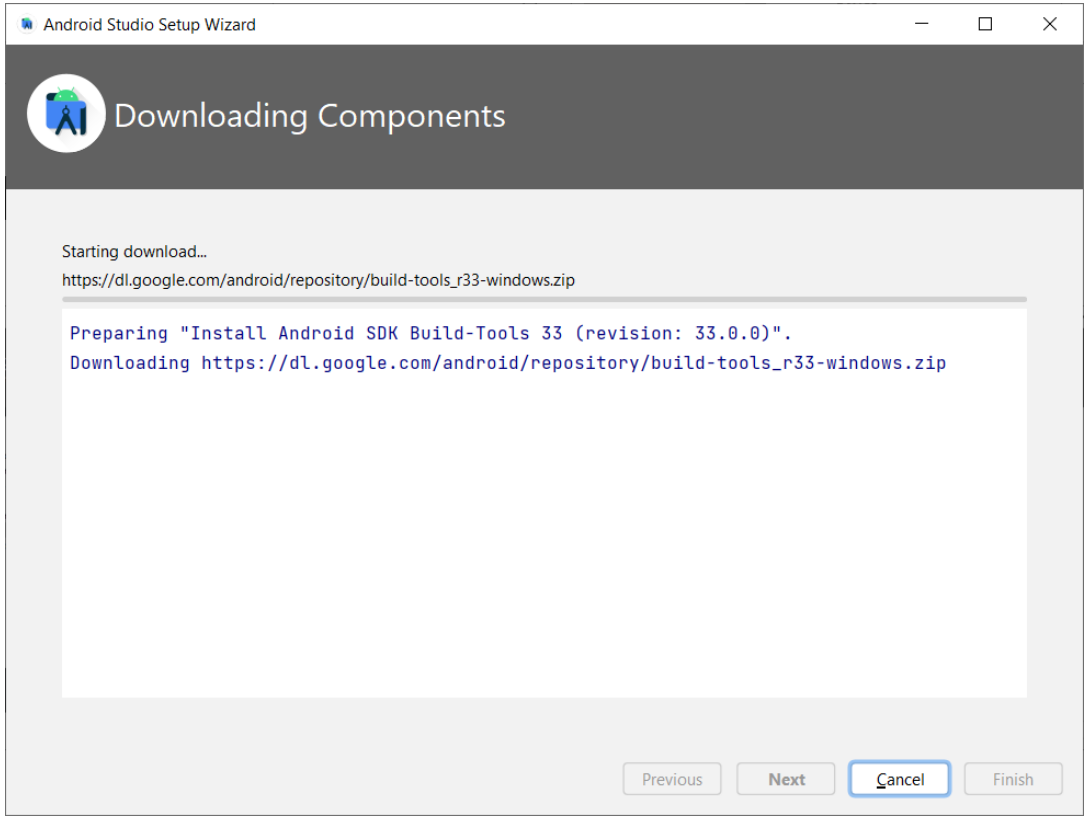

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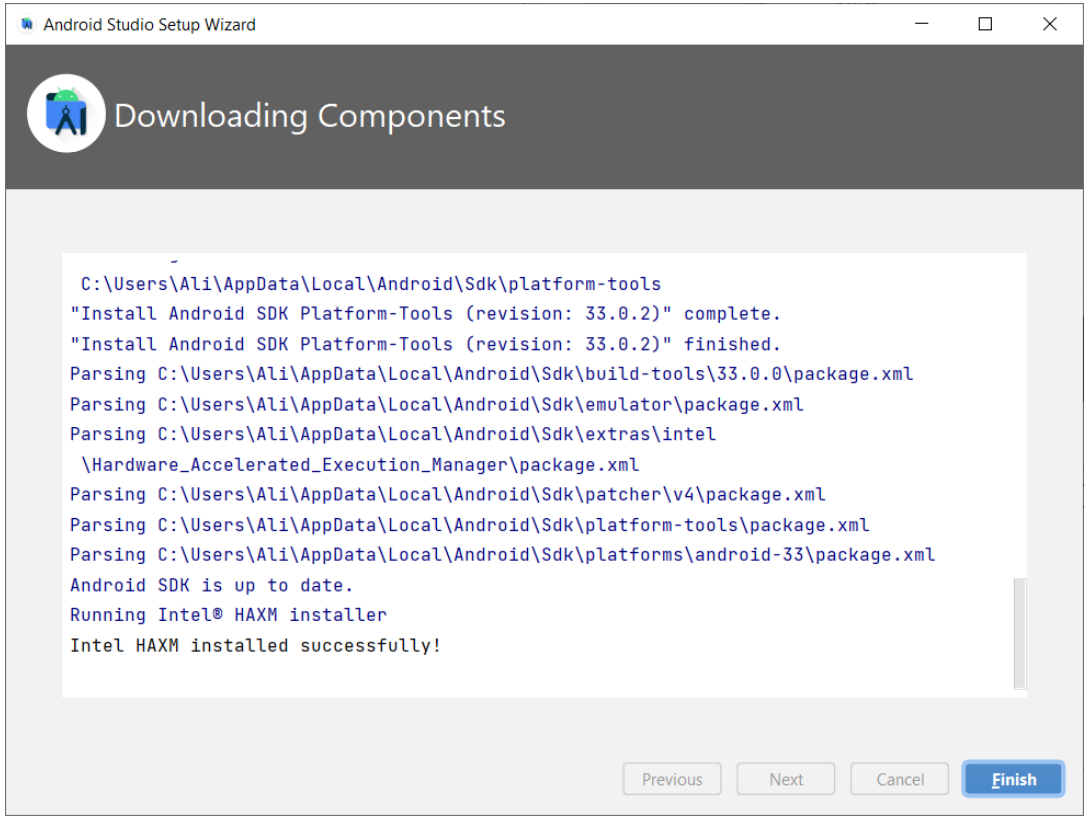
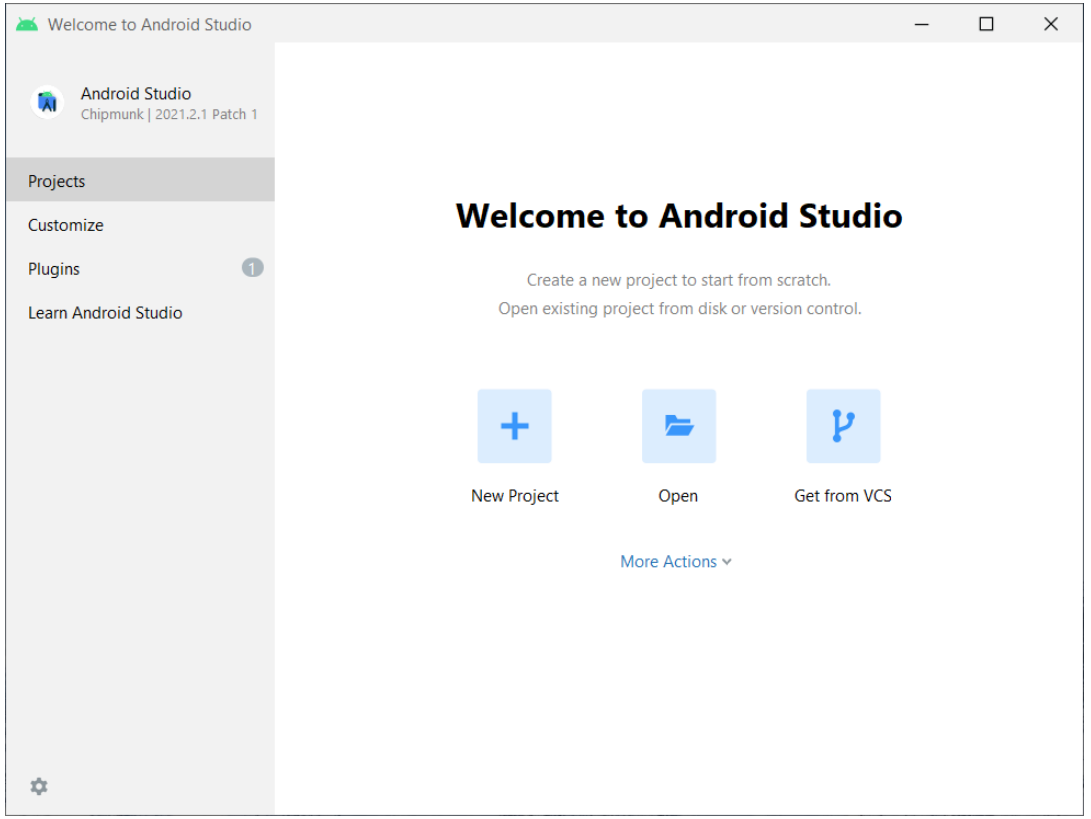
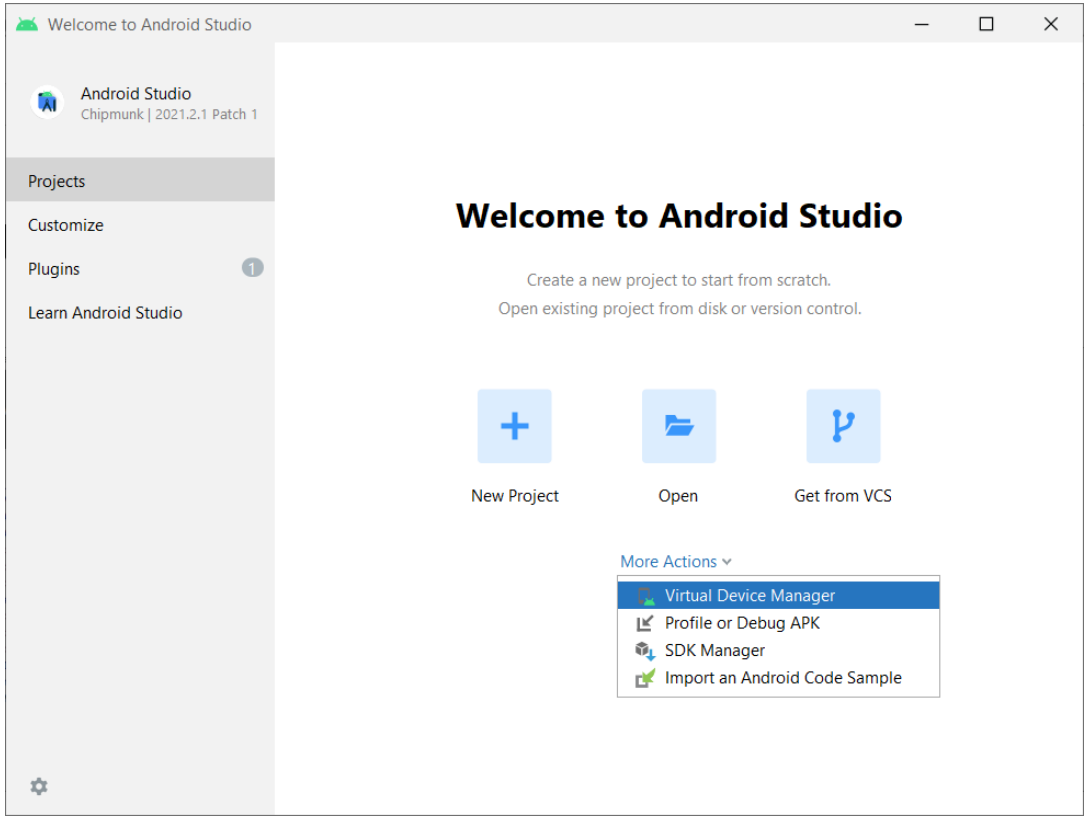
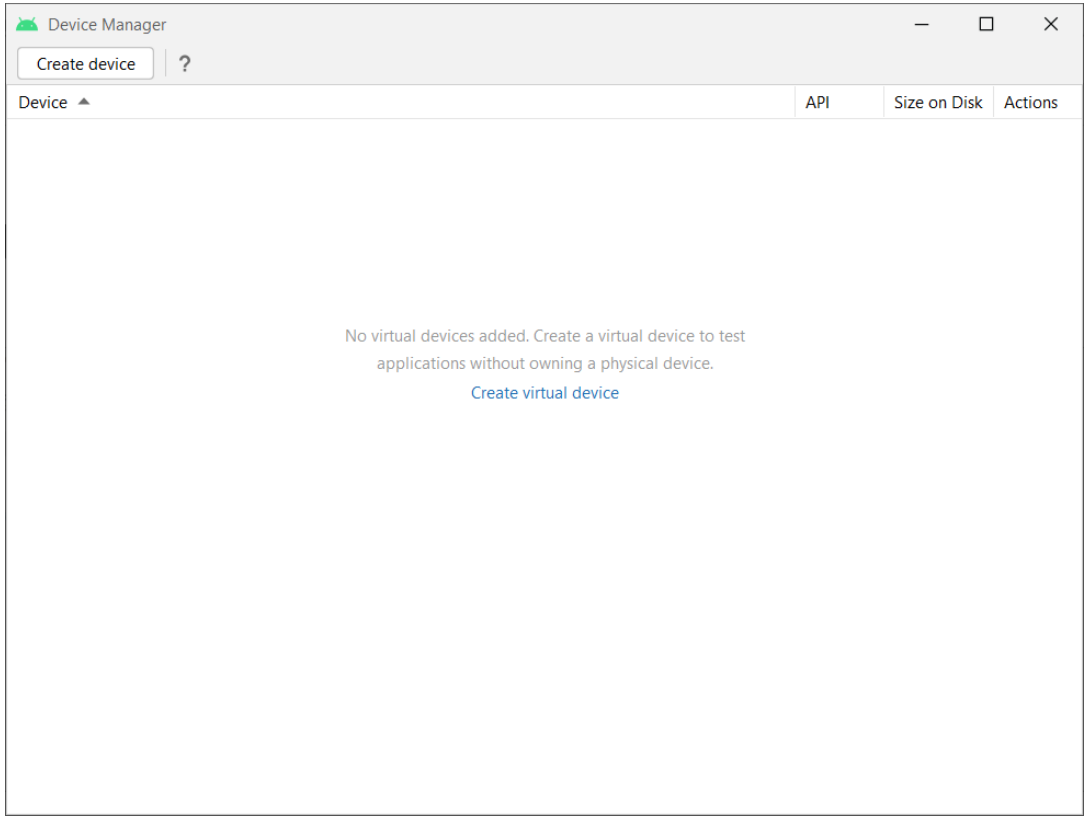




Installing Android Studio





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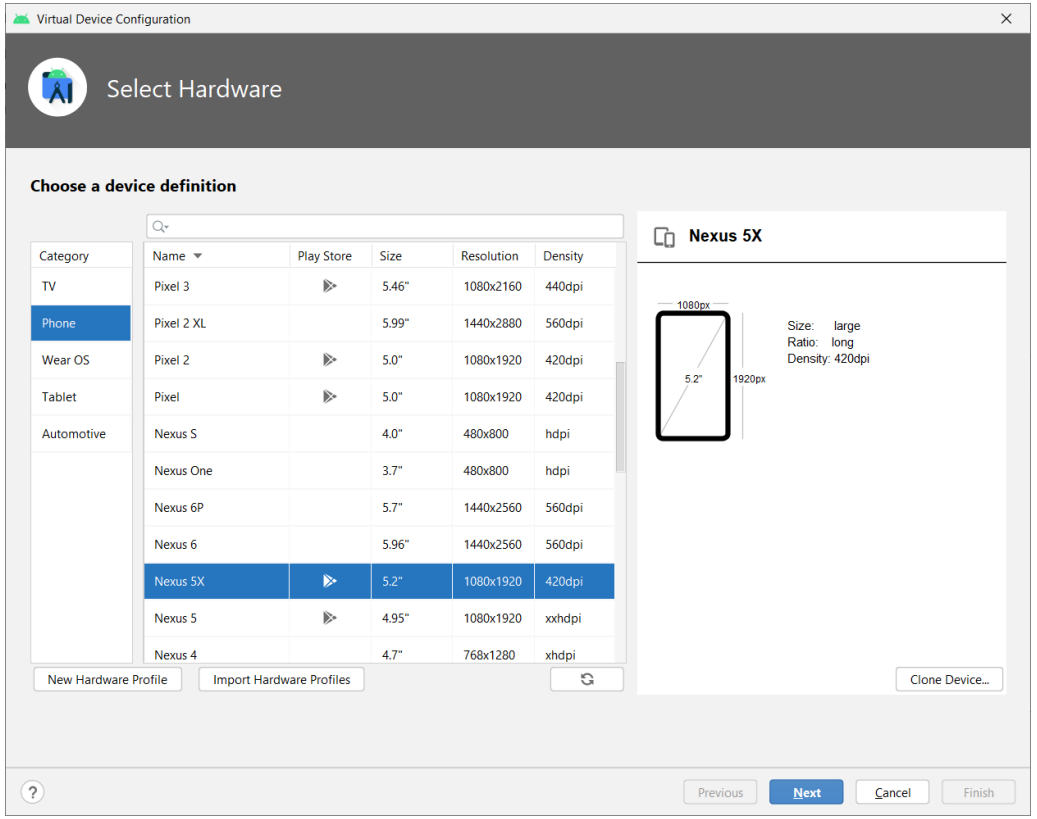

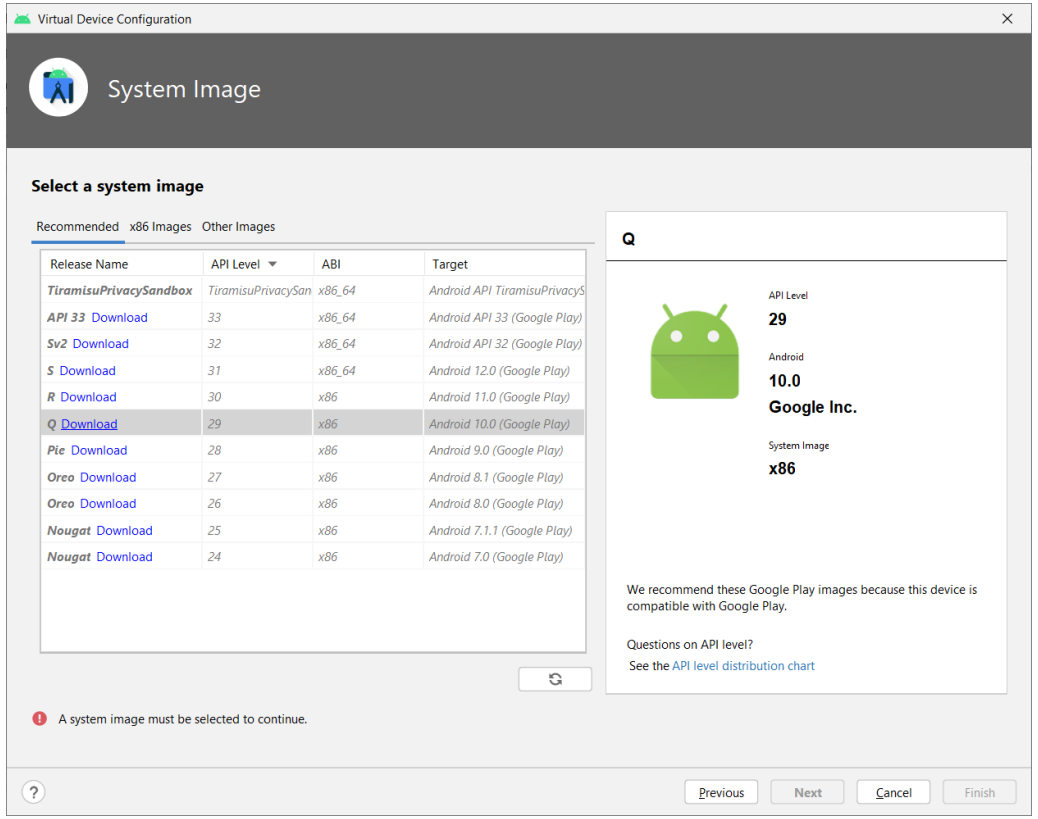

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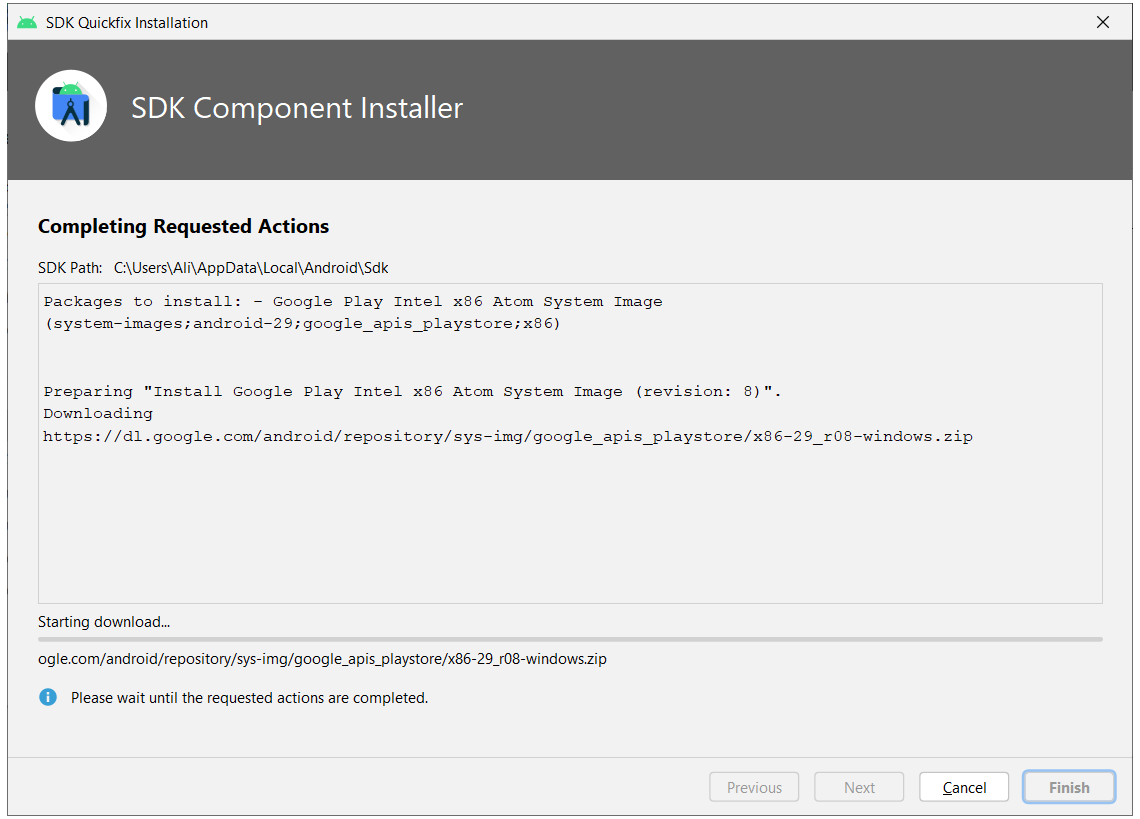

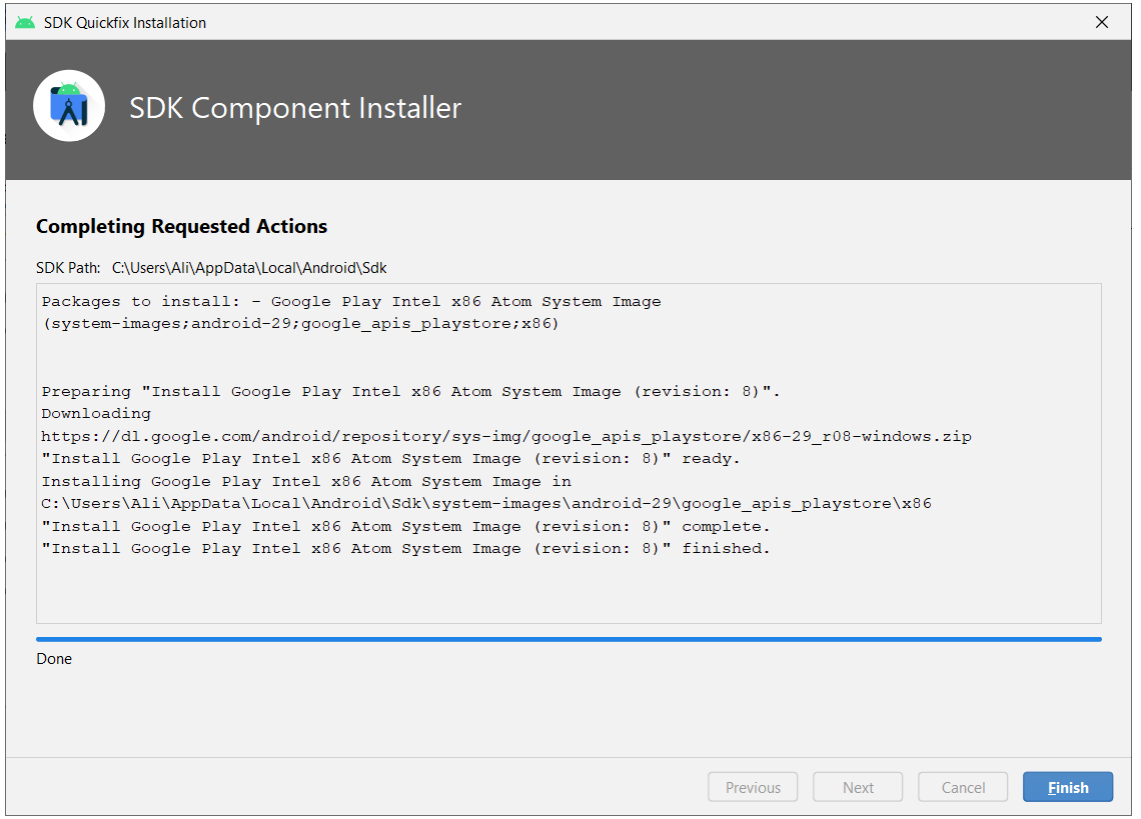

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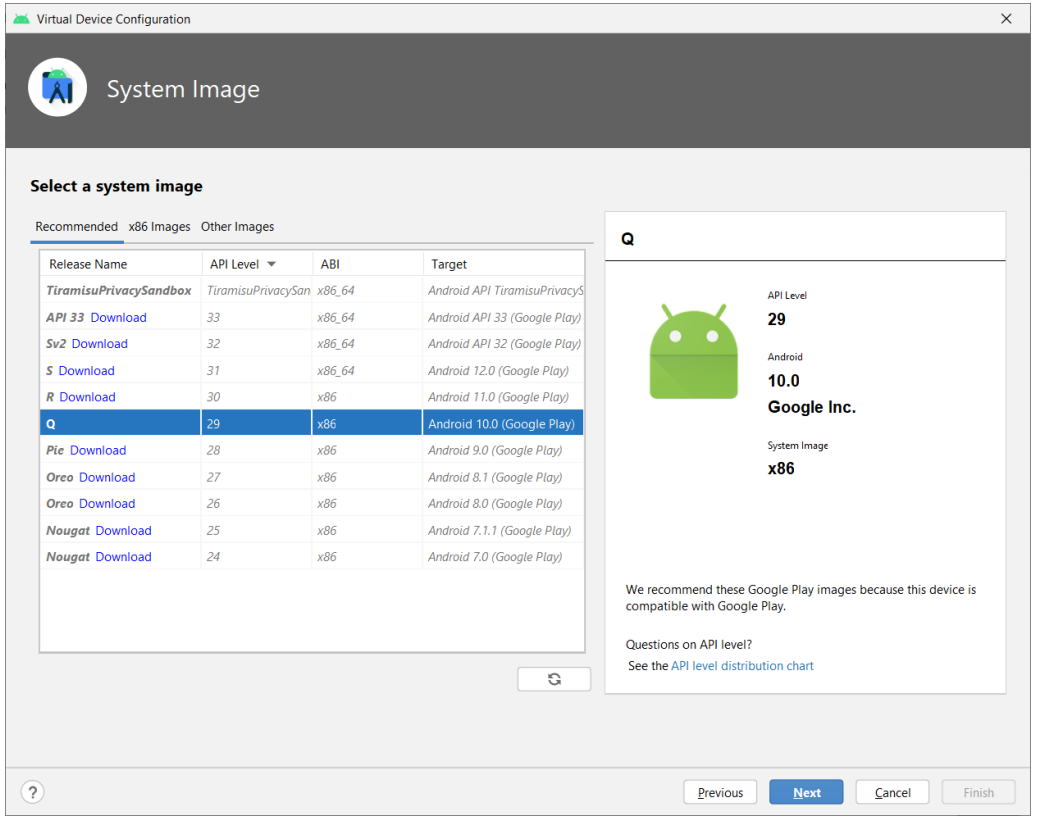

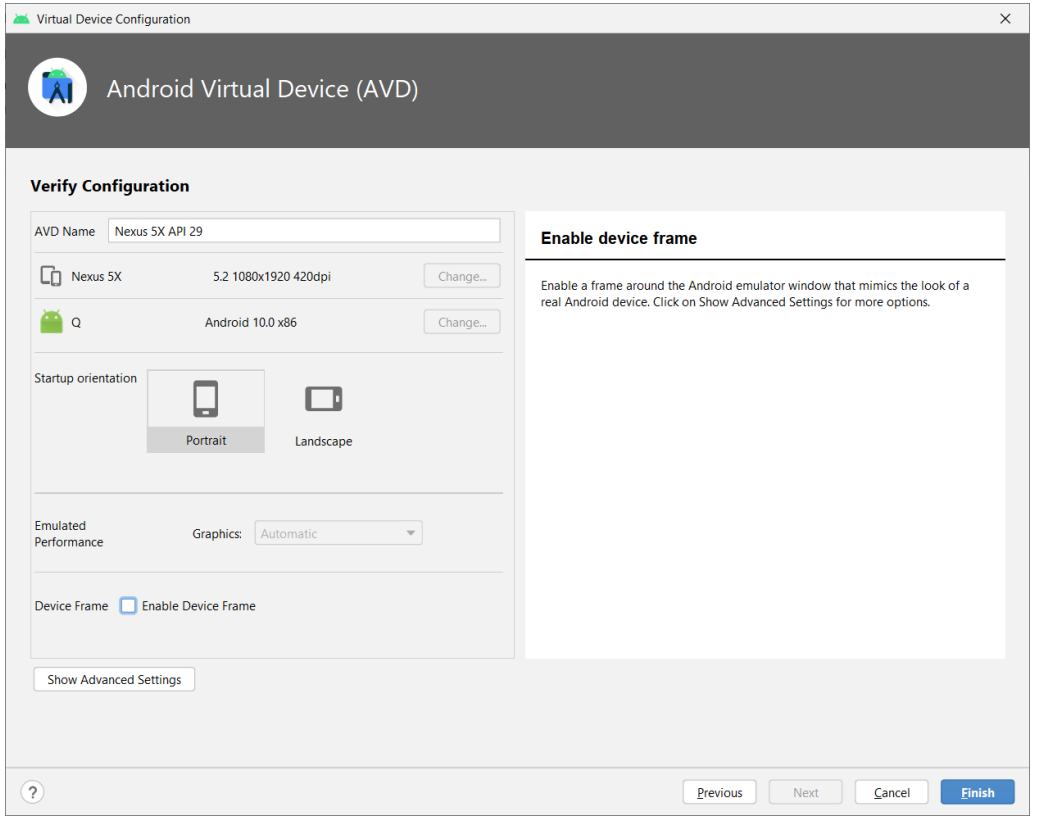

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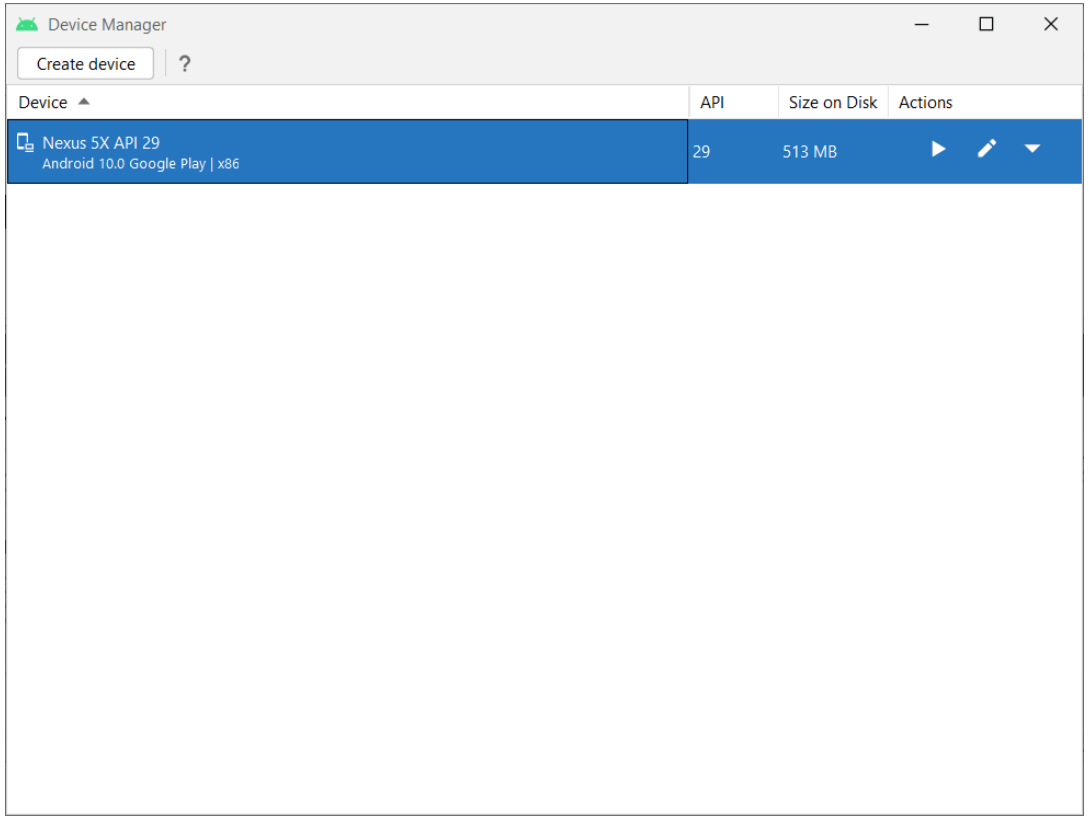

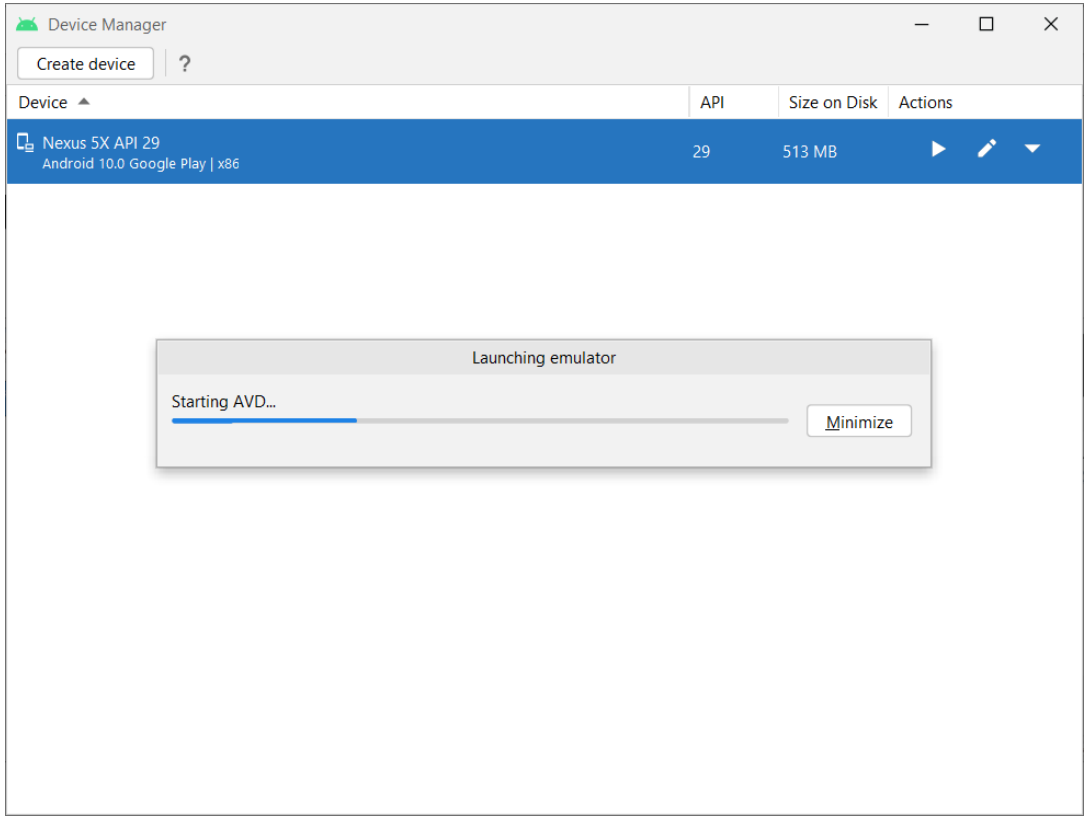

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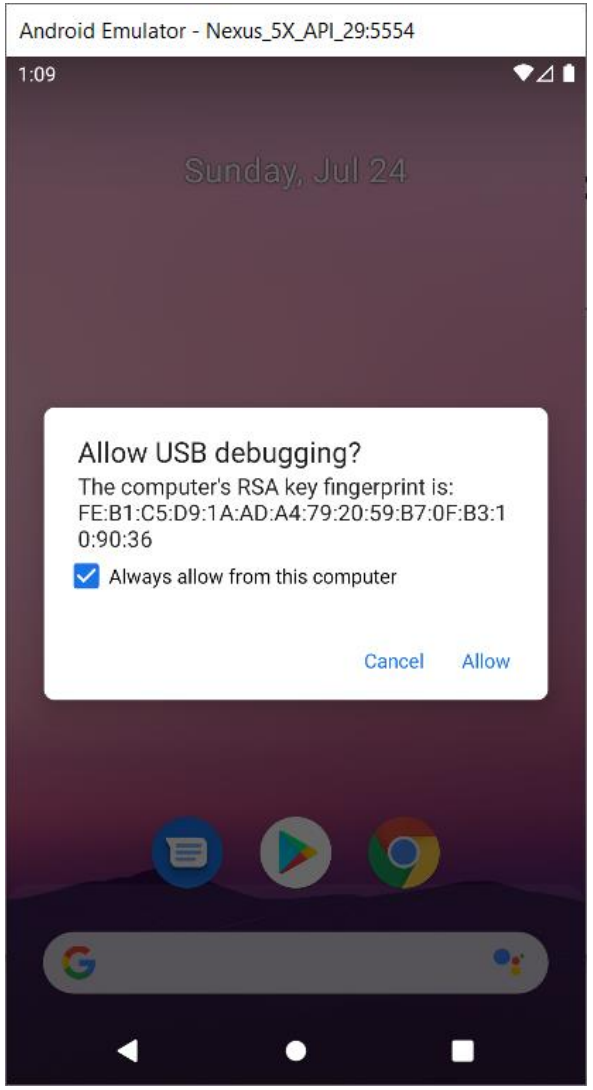

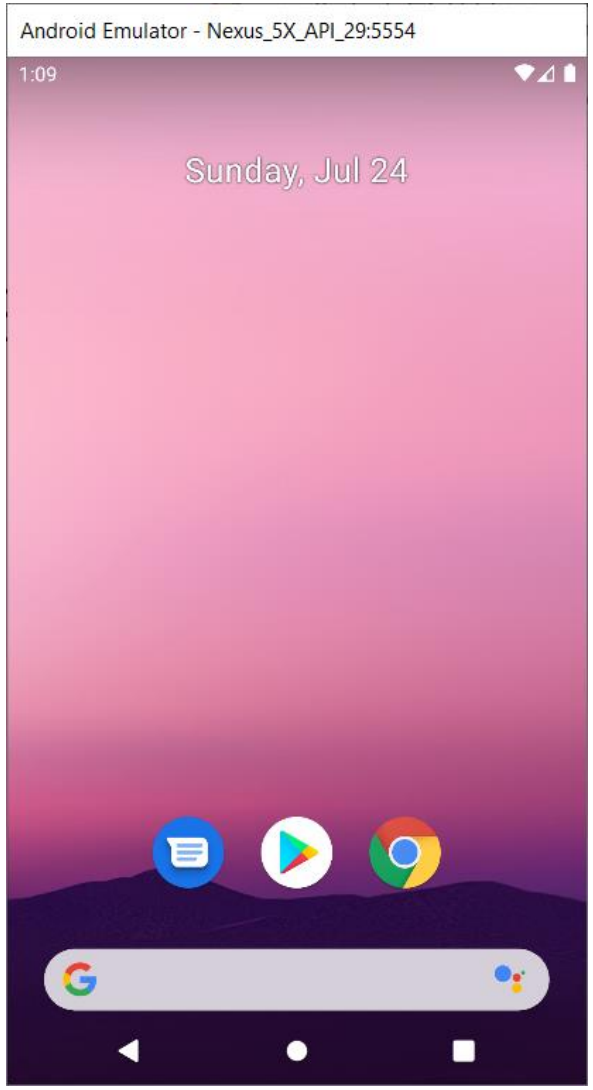

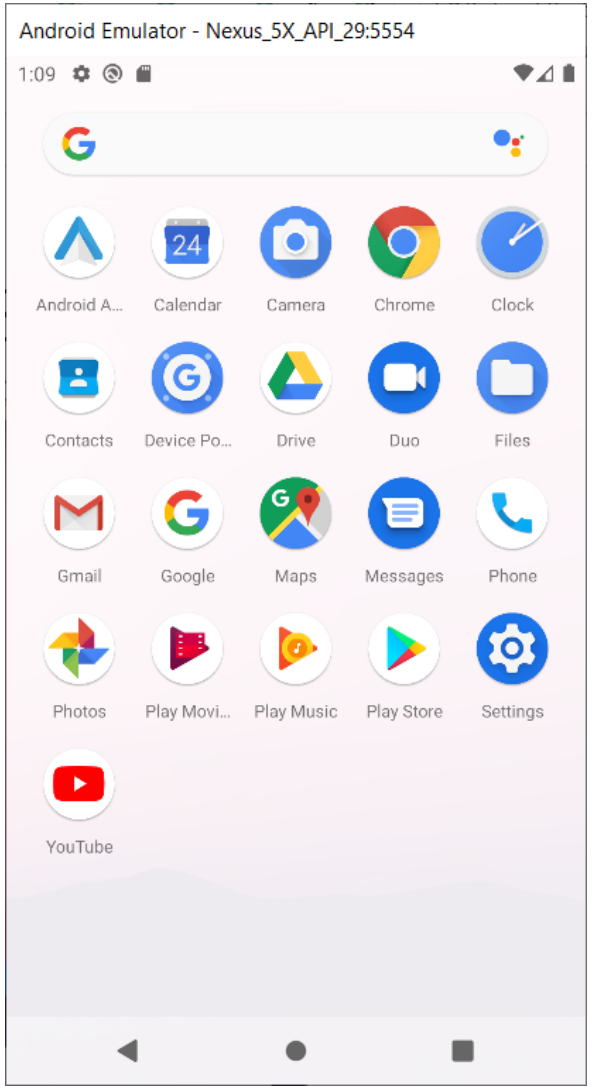

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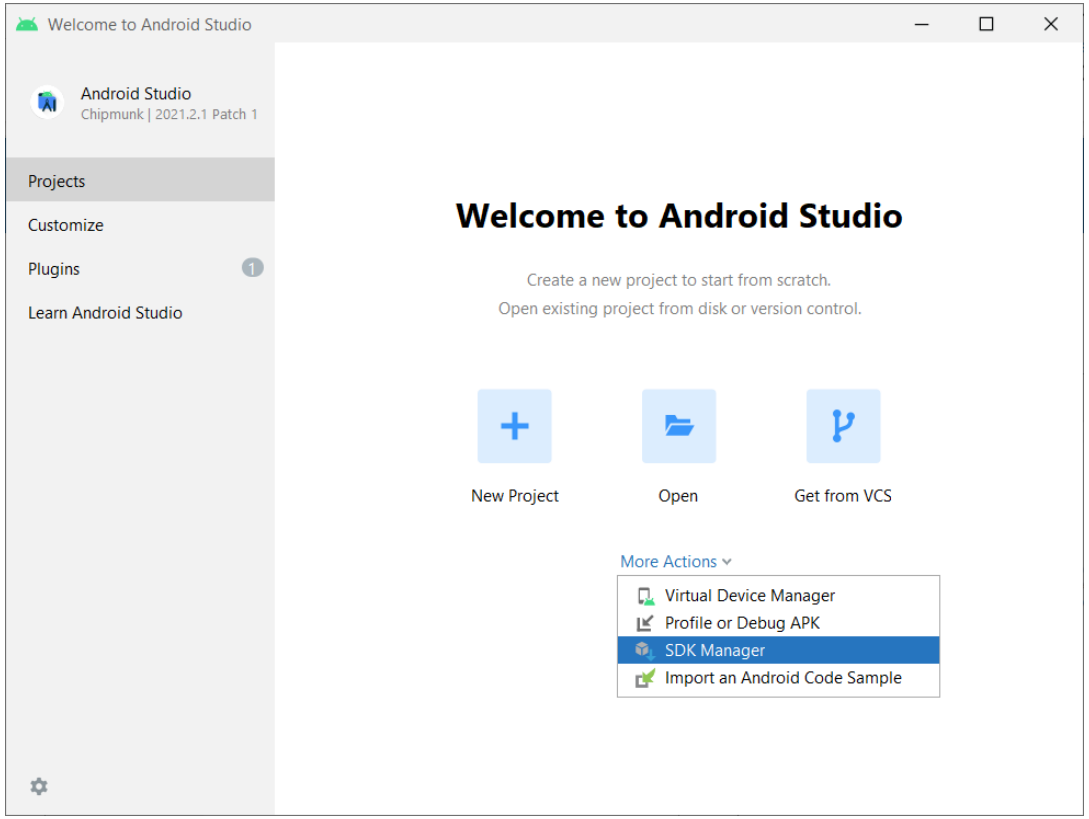

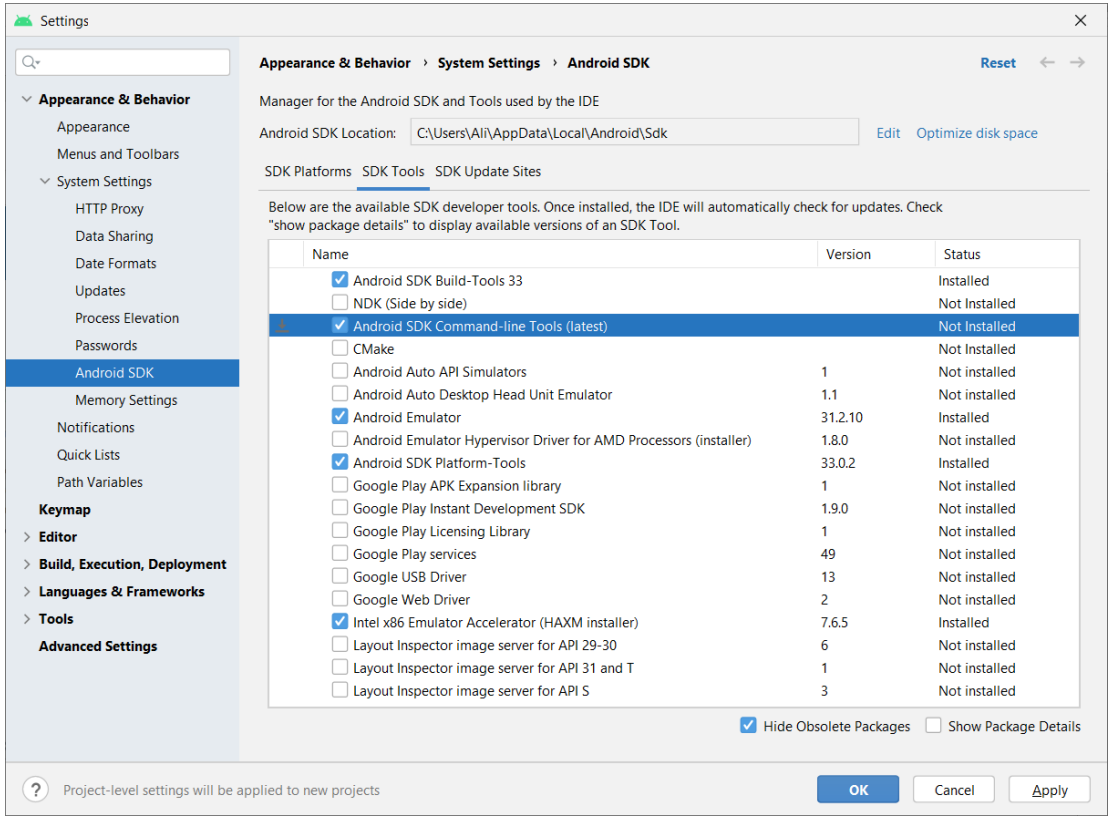

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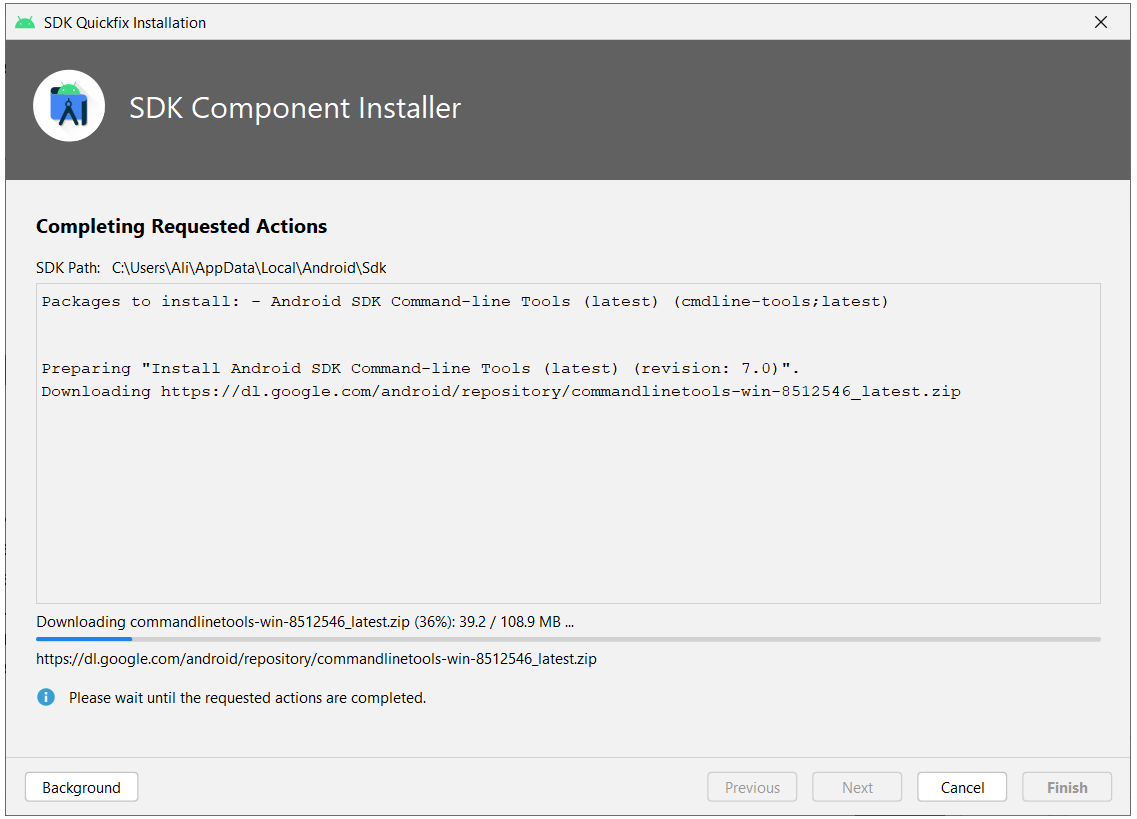

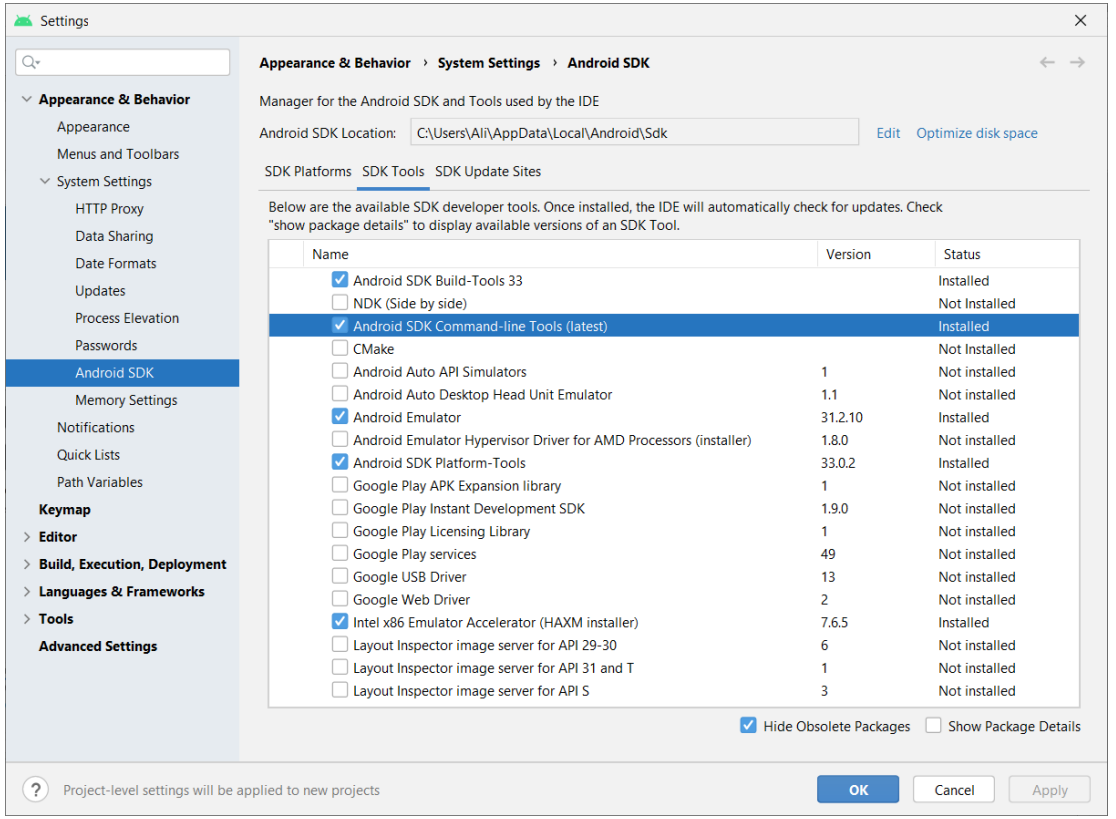

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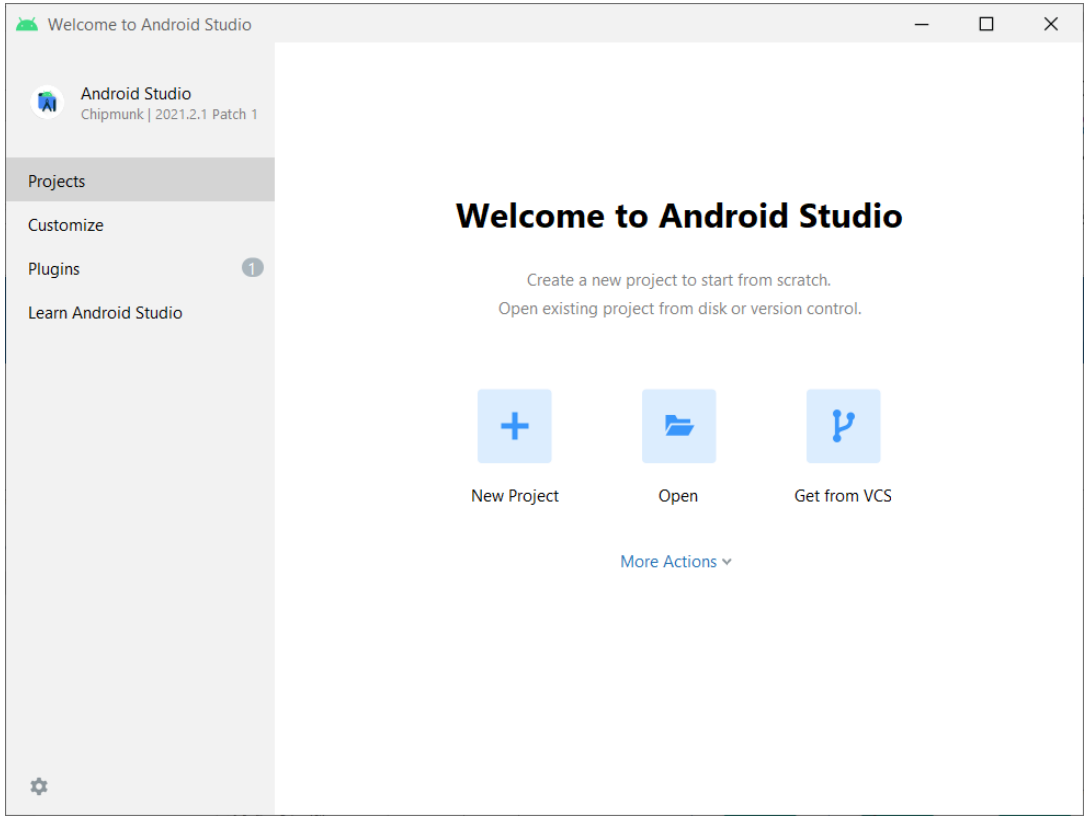

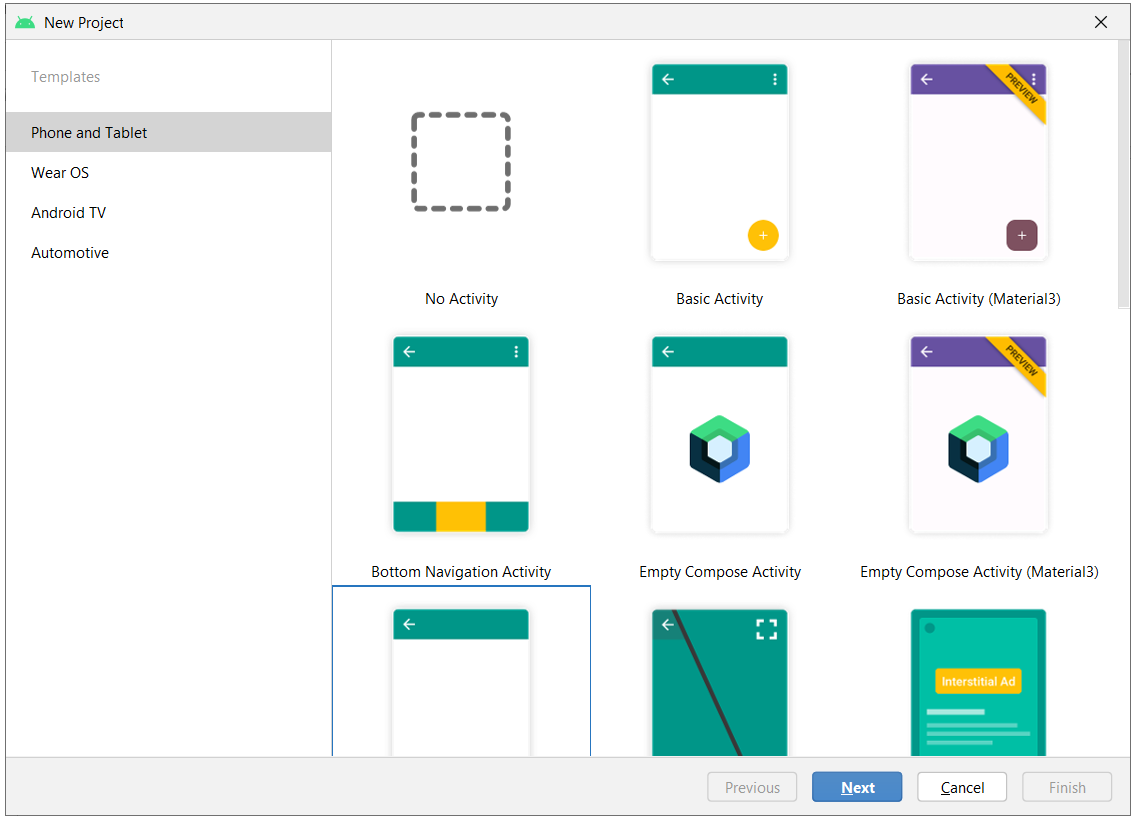

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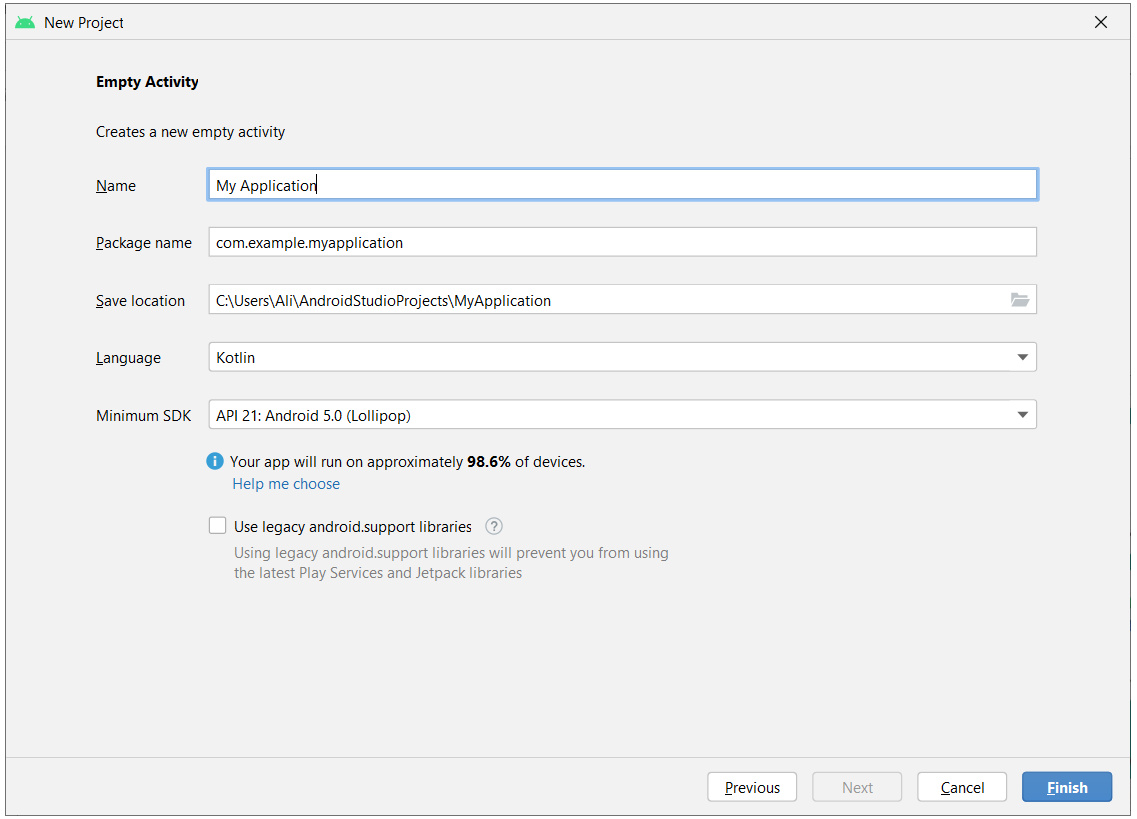
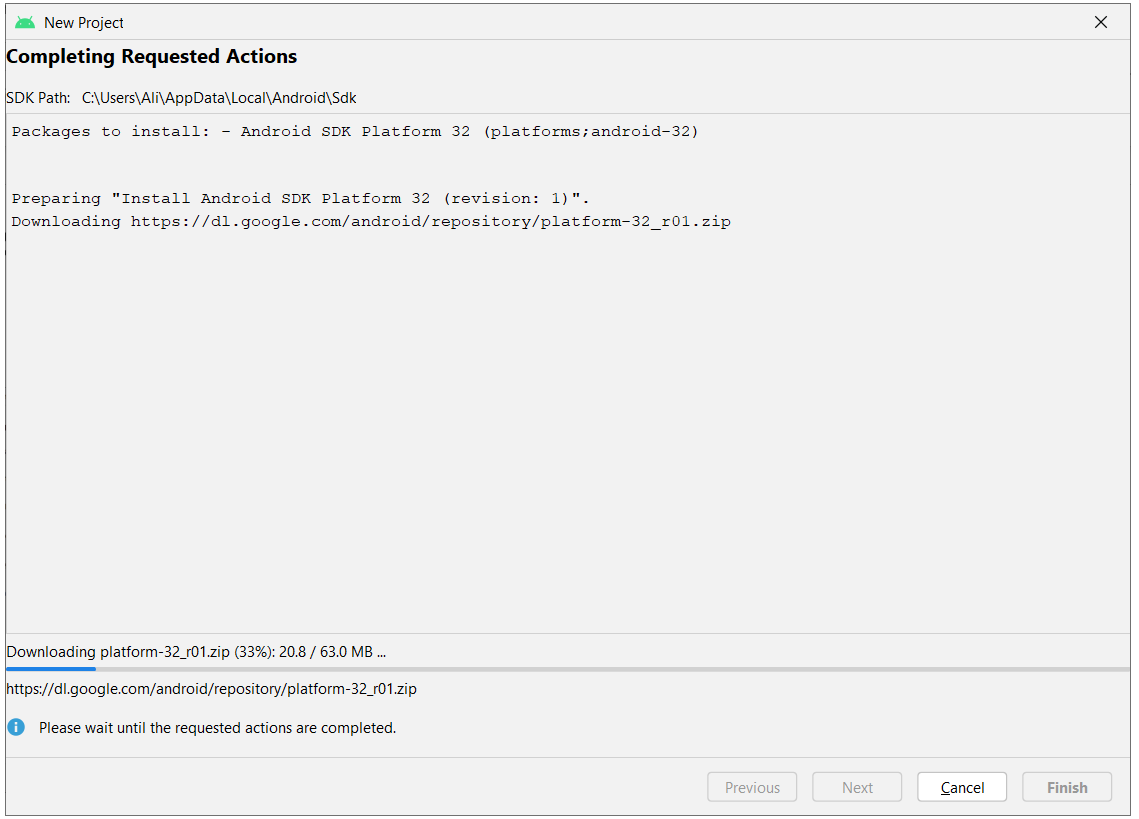
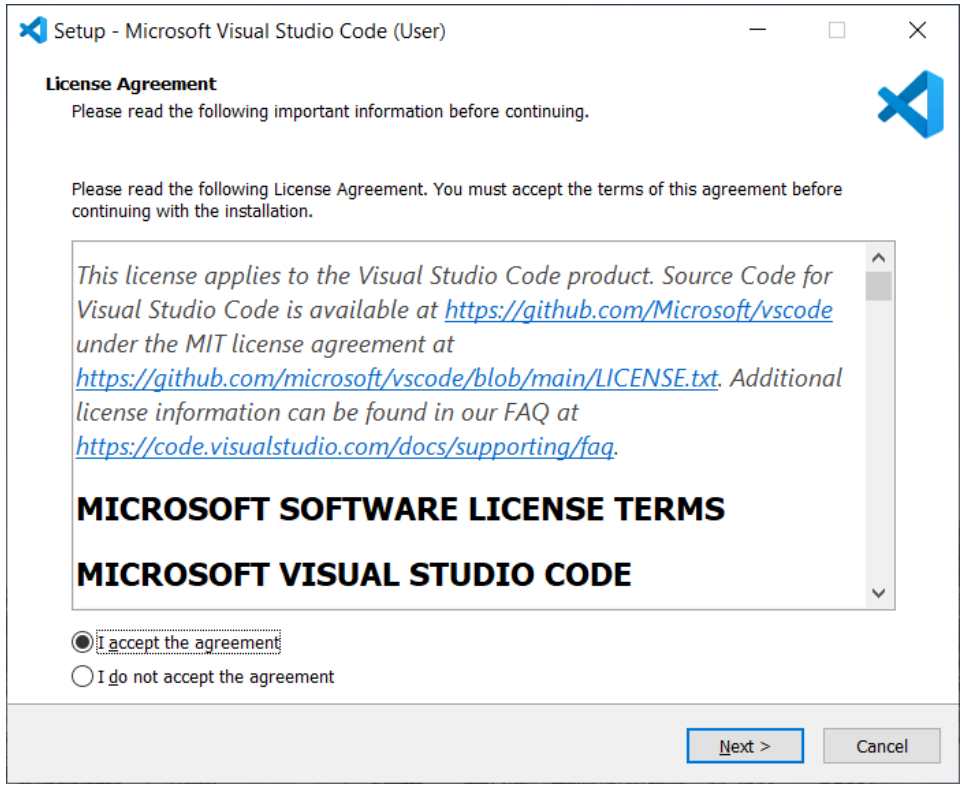


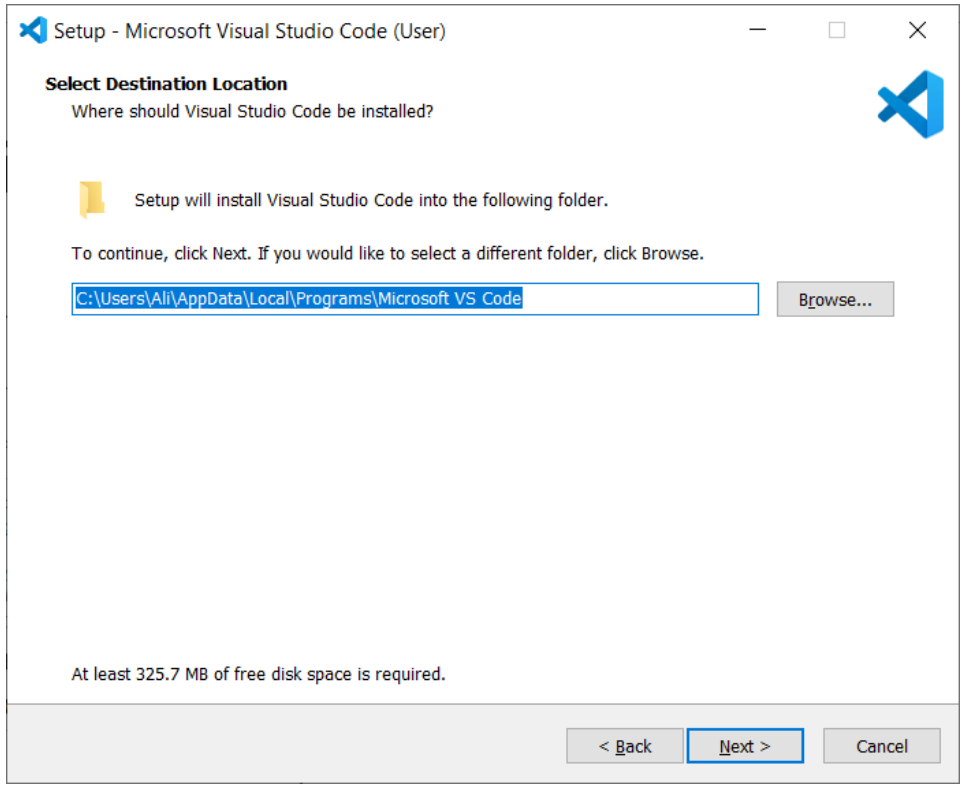


Installing Visual Studio Code

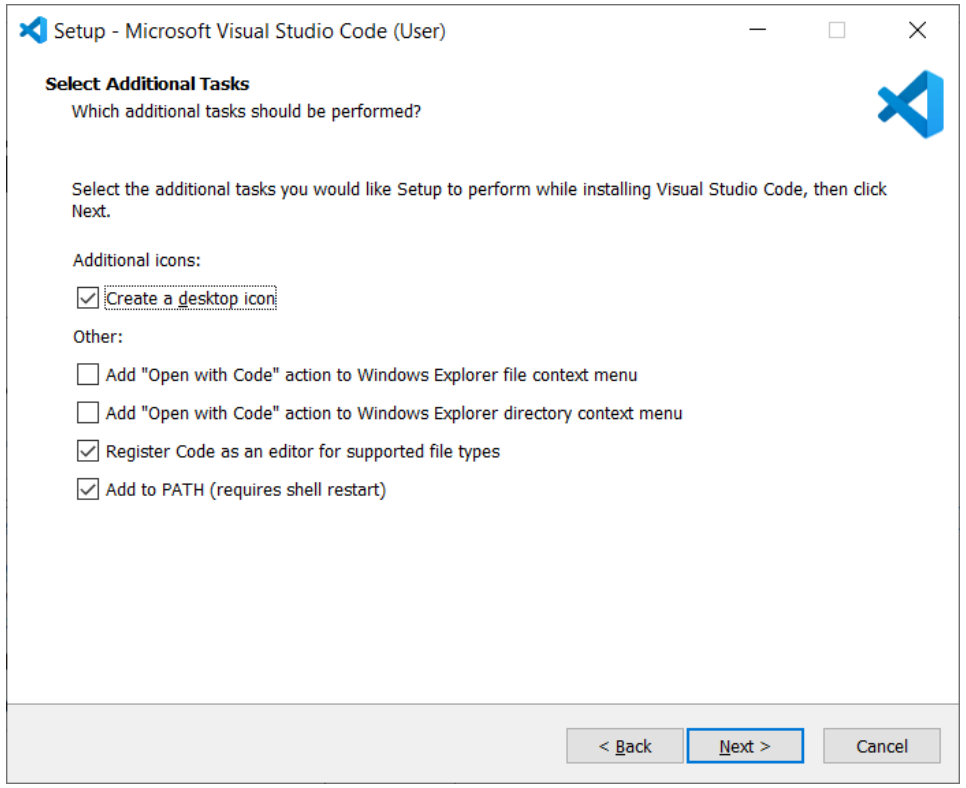
- Execute the VS Code installation setup file and follow the wizard instructions.

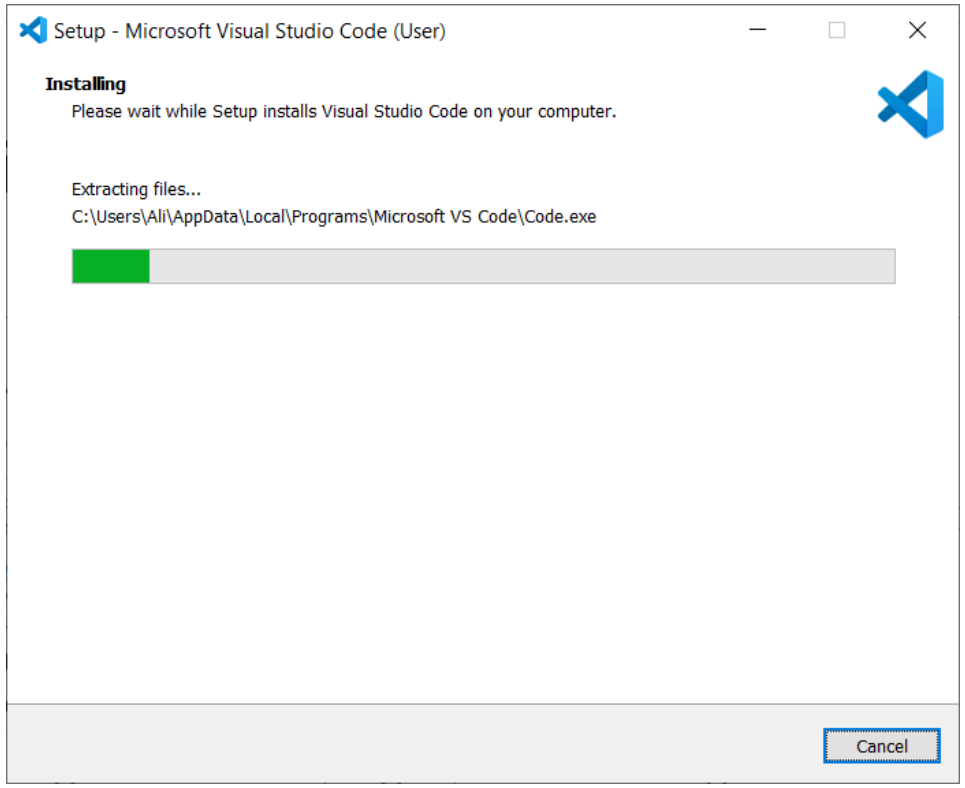
Installing Visual Studio Code



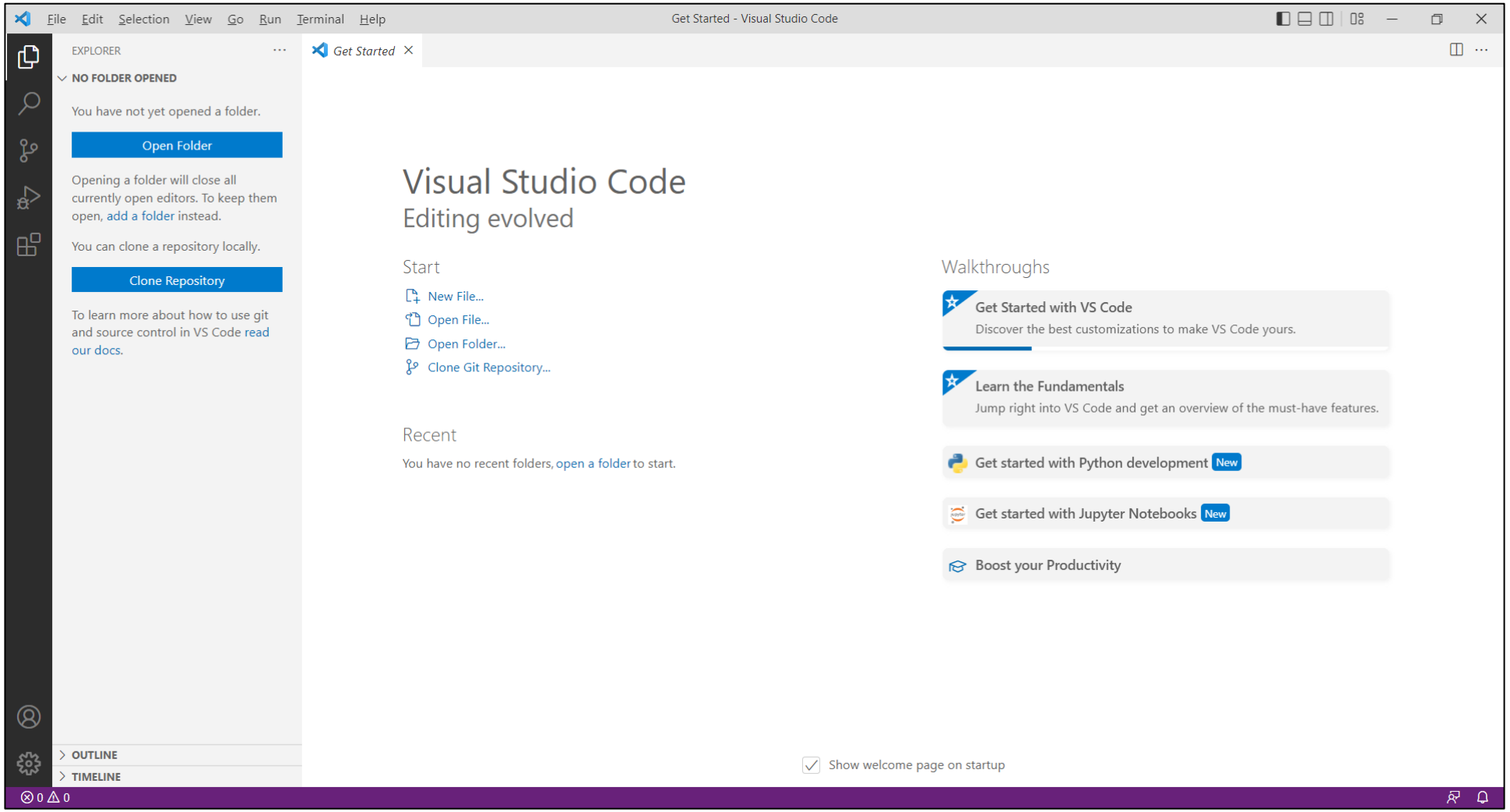


Installing Visual Studio Code



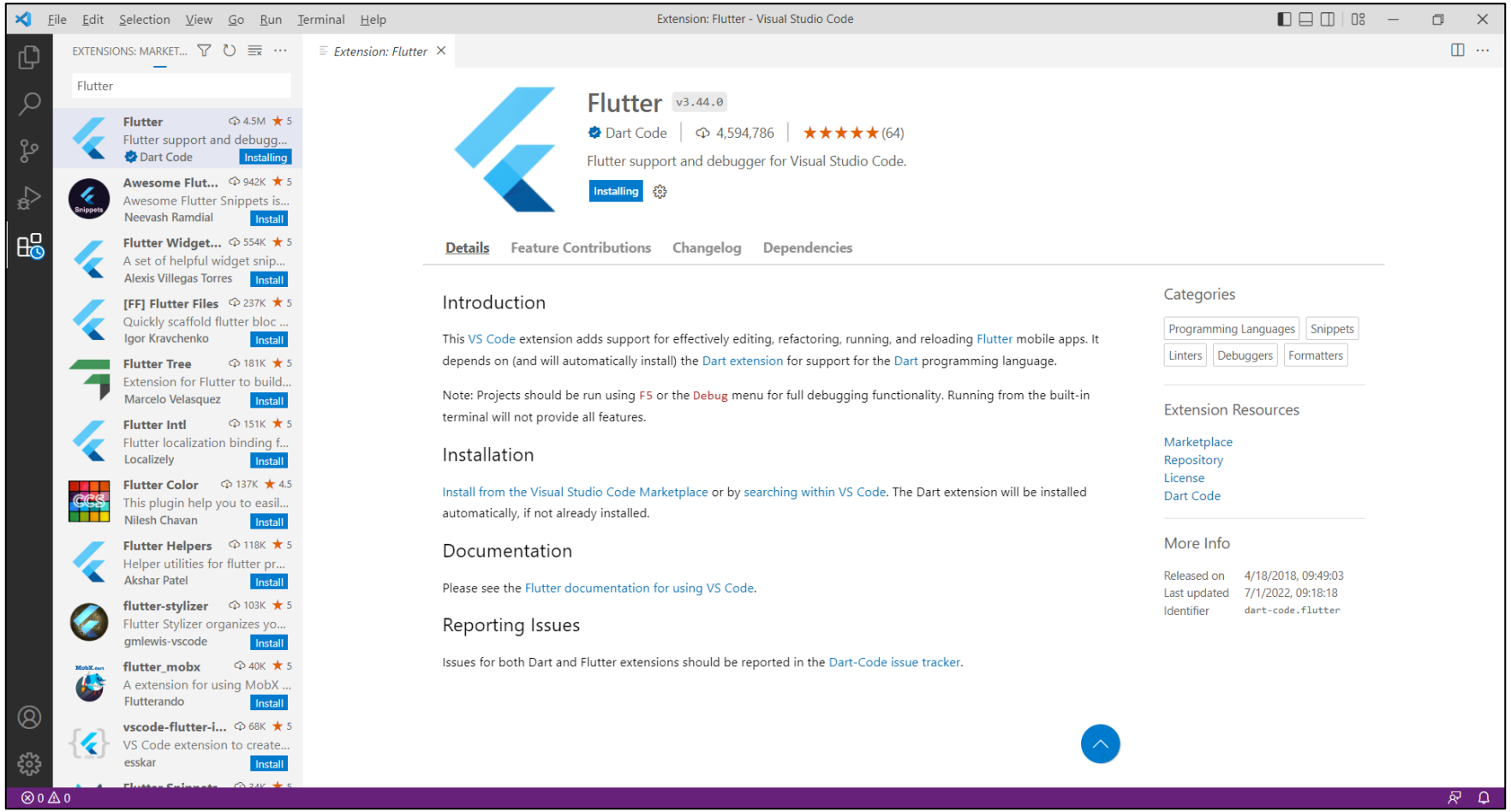


Installing Visual Studio Code



Setting Flutter plugin in VS Code

- Search and install Flutter extension.



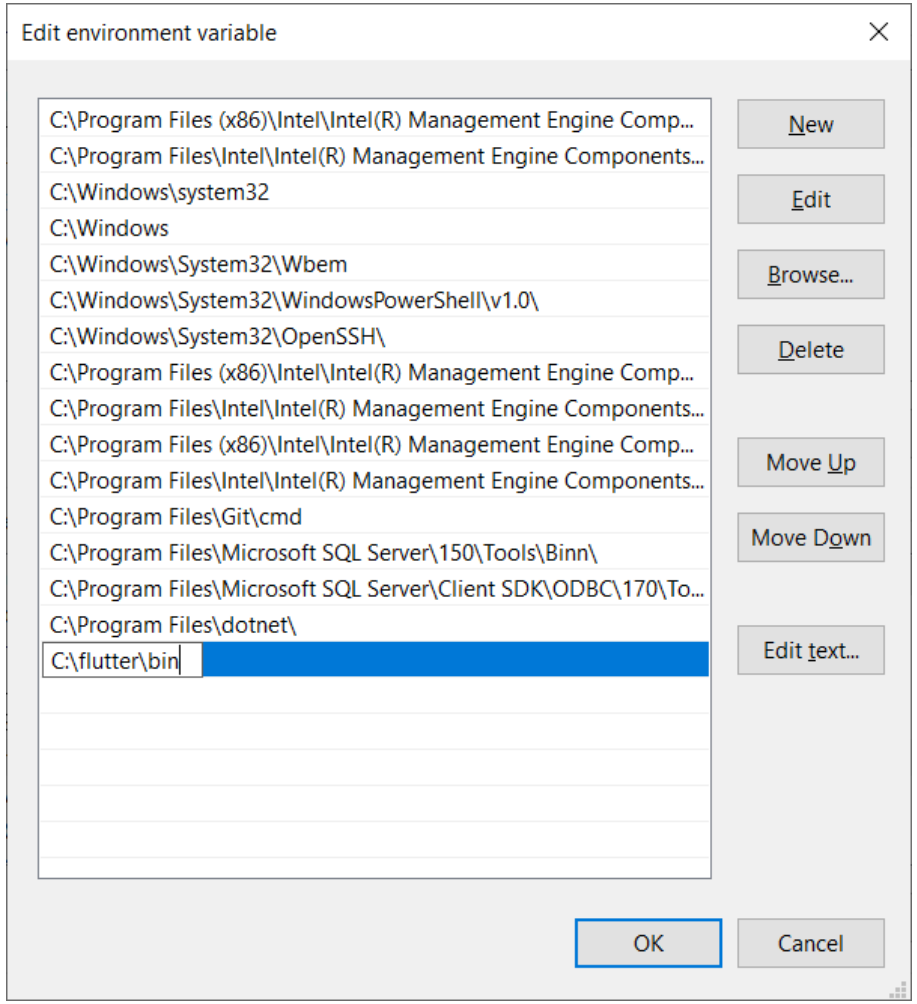
Installing Flutter

- Extract the downloaded Flutter SDK bundle in C:\Flutter.

flutter_windows_3.0.5-stable

Installing Flutter

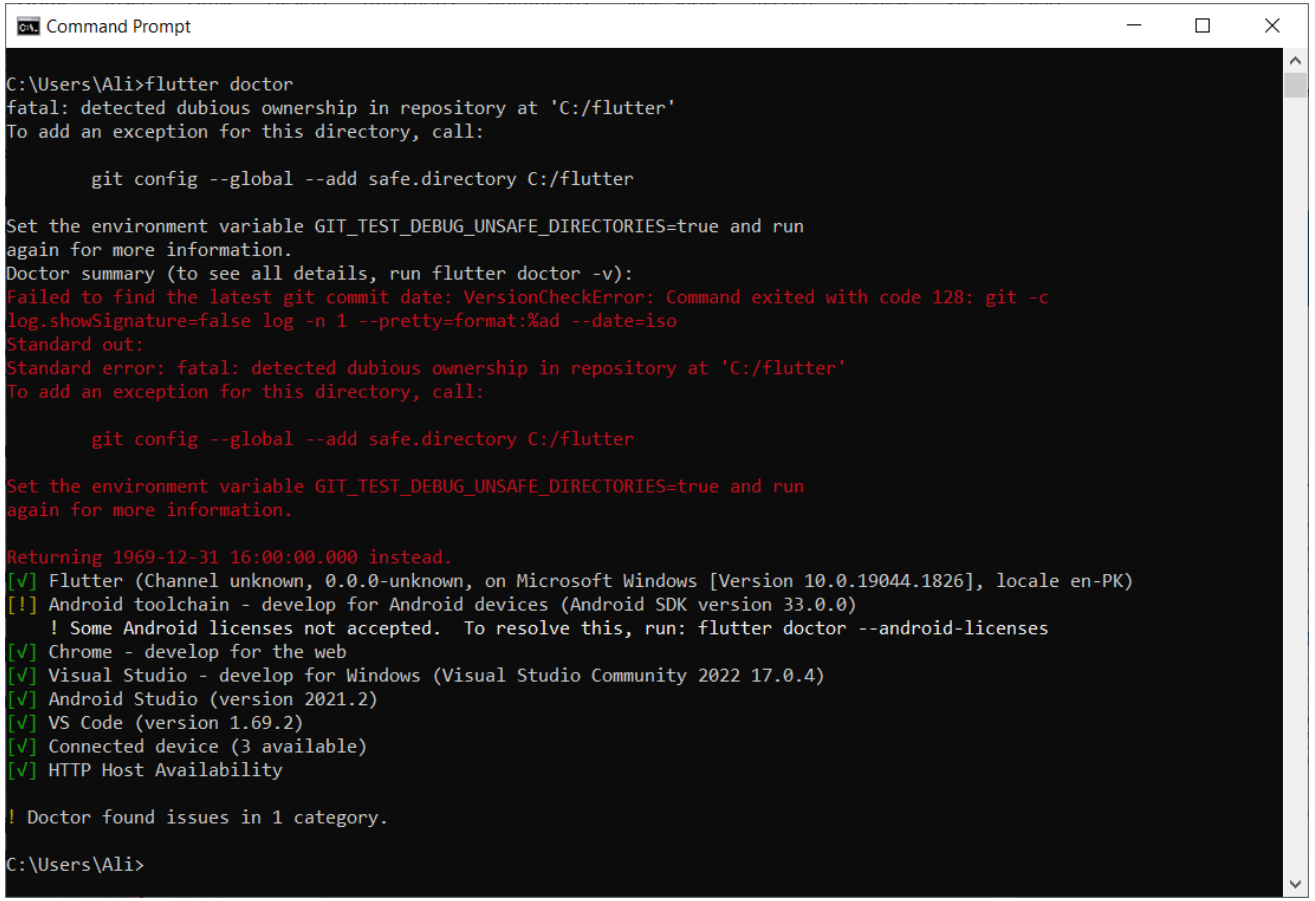
- Add path of flutter to environment variable by:
- Right clicking This PC > Properties > Advanced System Settings > Environment Variables
- Edit user variable Path and add:
  - C:\flutter\bin



Installing Flutter

- Run command prompt and enter the following command:

```
C:\> flutter doctor
```

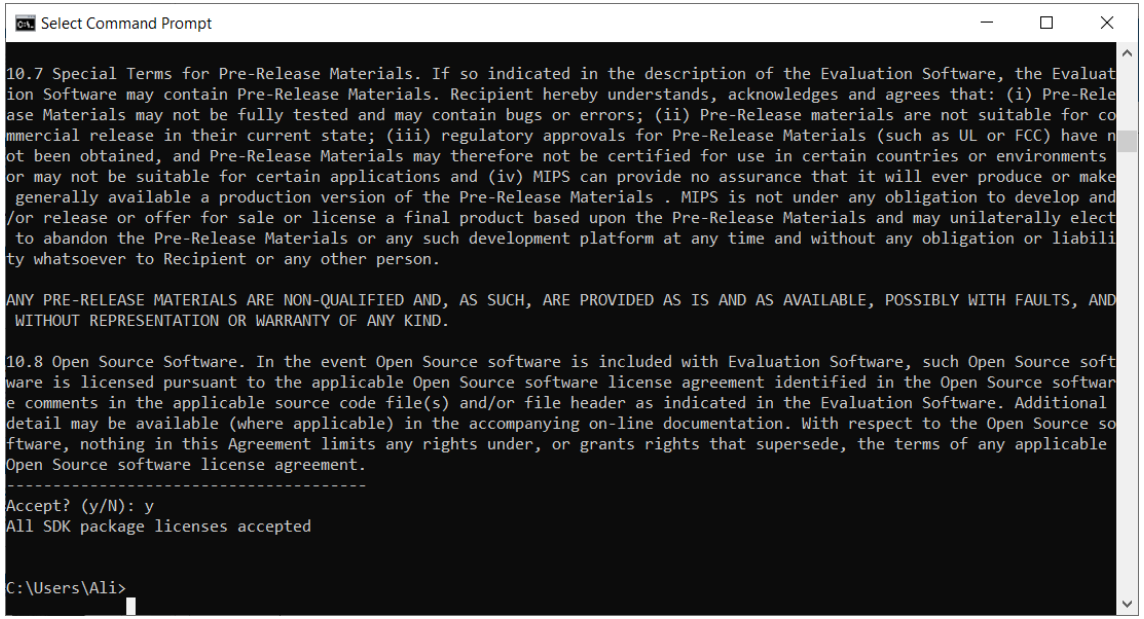


Installing Flutter

- Resolve the issues.
- Run commands:

```
C:\> git config --global --add safe.directory C:/flutter
C:\> flutter doctor --android-licenses
```

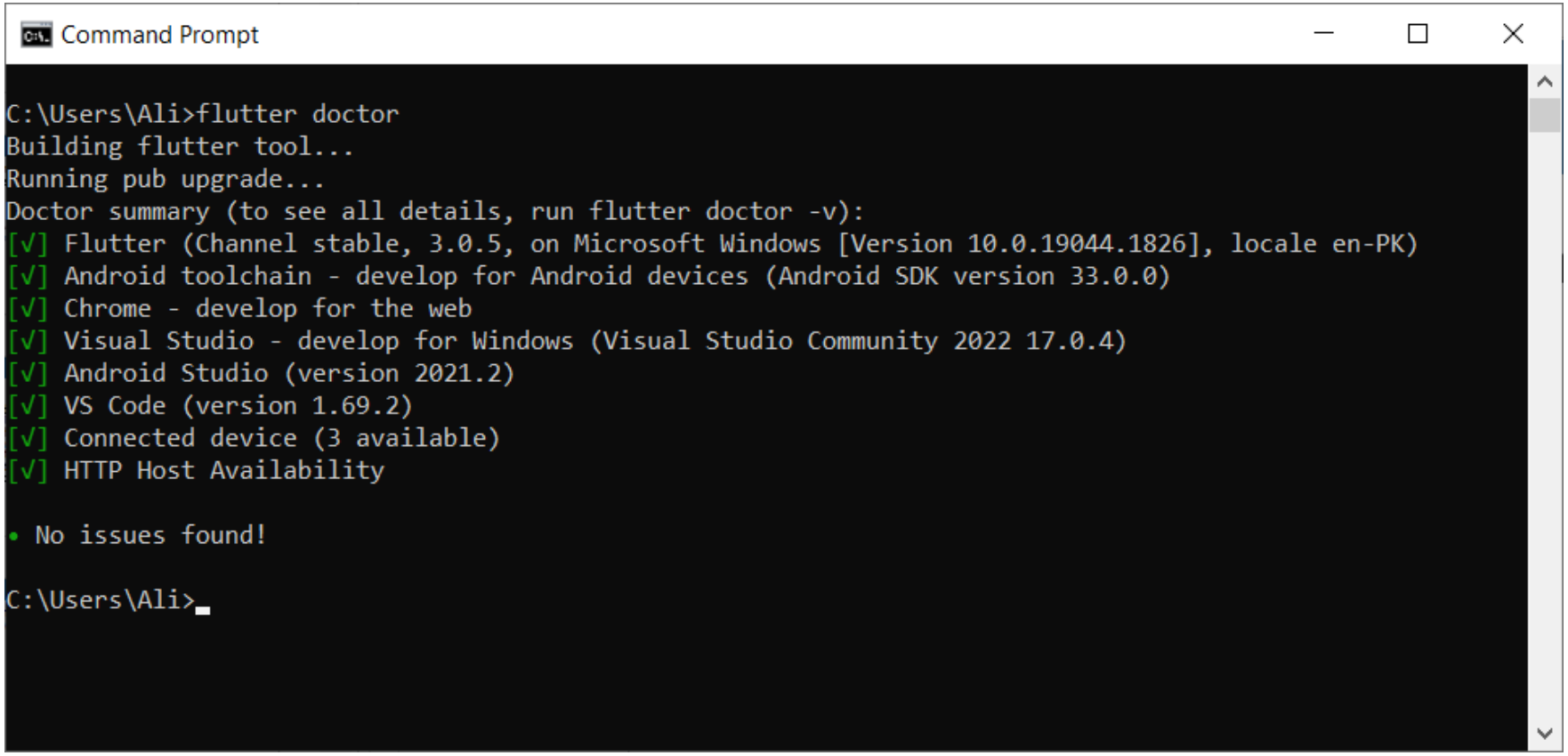
- Press ’y’, whenever asked to confirm license.



Installing Flutter

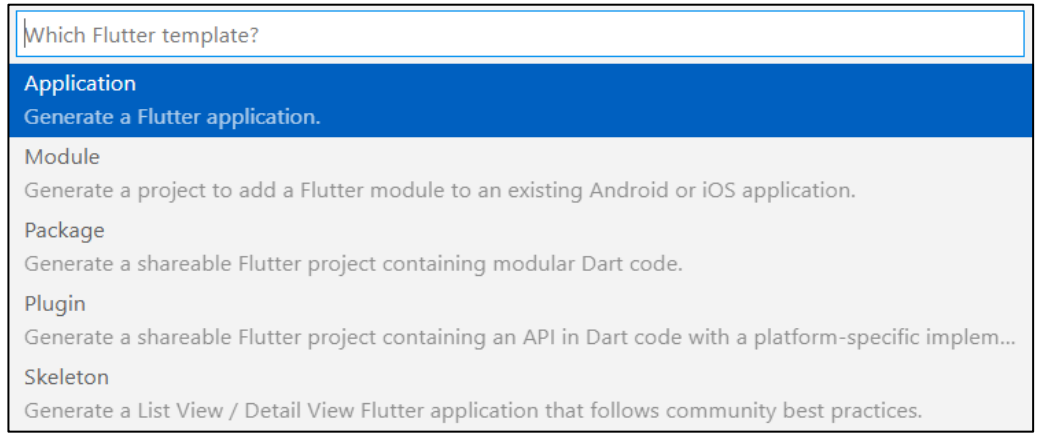
- Run flutter doctor command again to verify the installation:

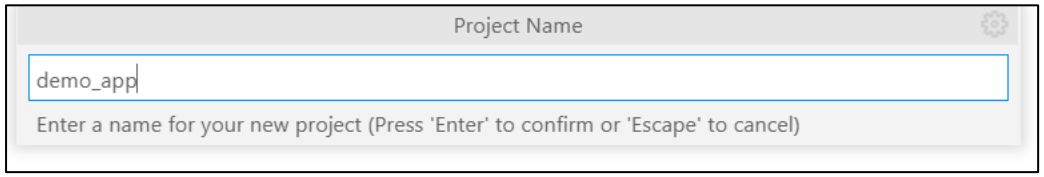
```
C:\> flutter doctor
```



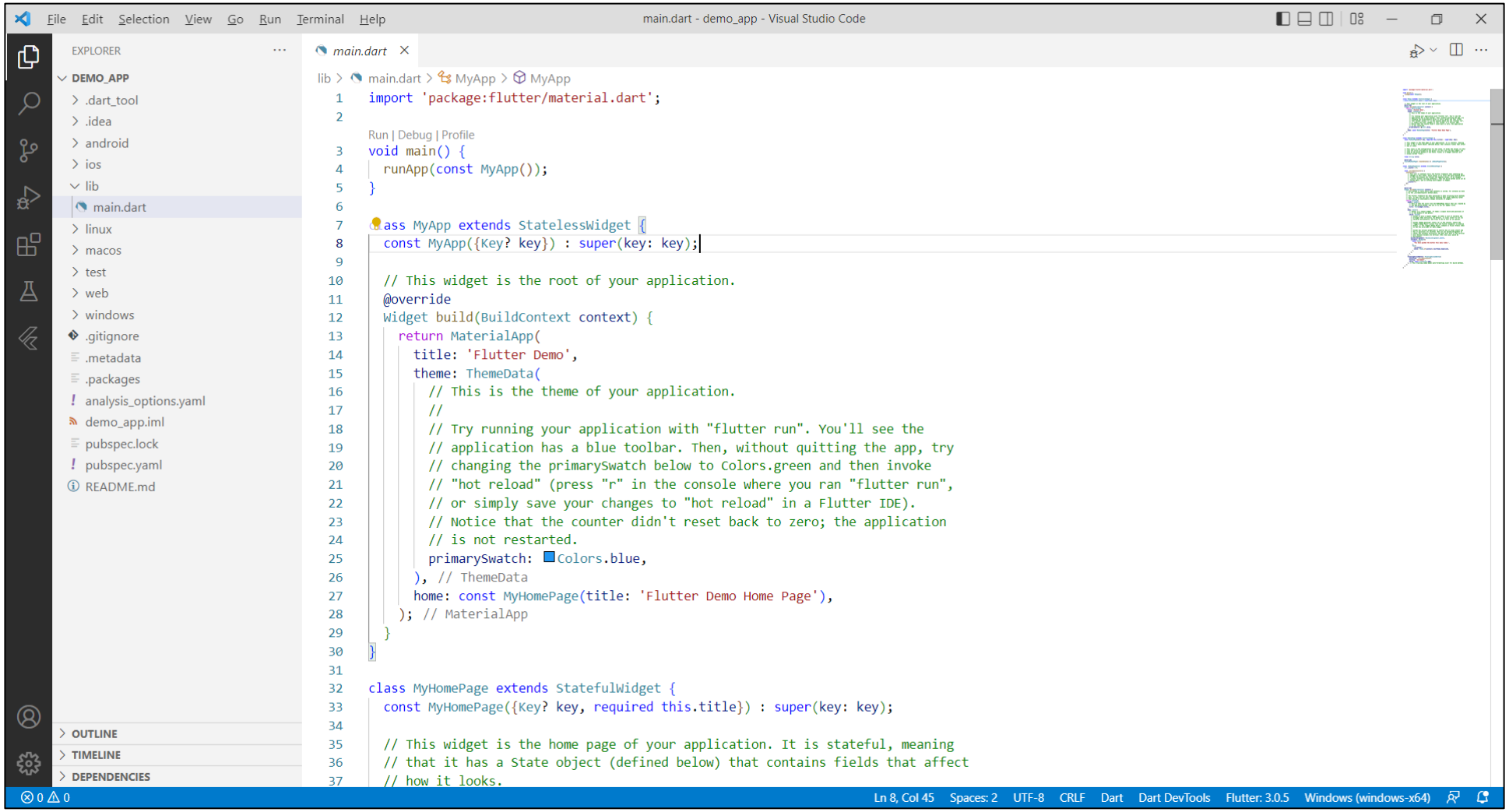
Creating first flutter app

- Run Visual Studio Code.
- Invoke **View › Command Palette** (Ctlr Shift P).
- Type “flutter”, and select the **Flutter: New Project**.
- Select **Application** template.
- Create or select the parent directory for the new project folder.
- Enter a project name, such as **demo_app**, and press **Enter**.



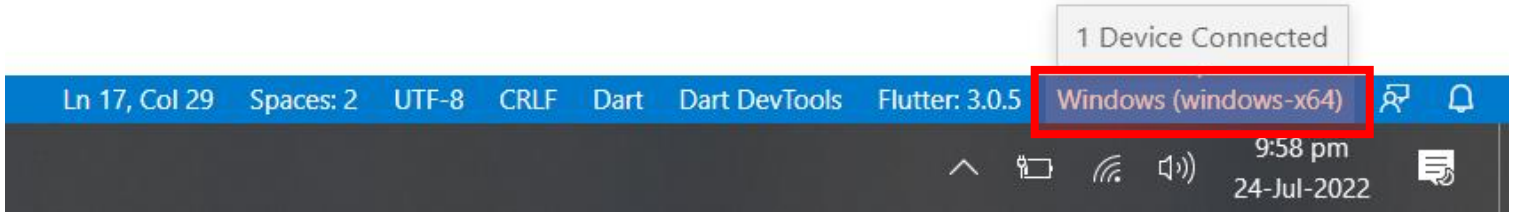


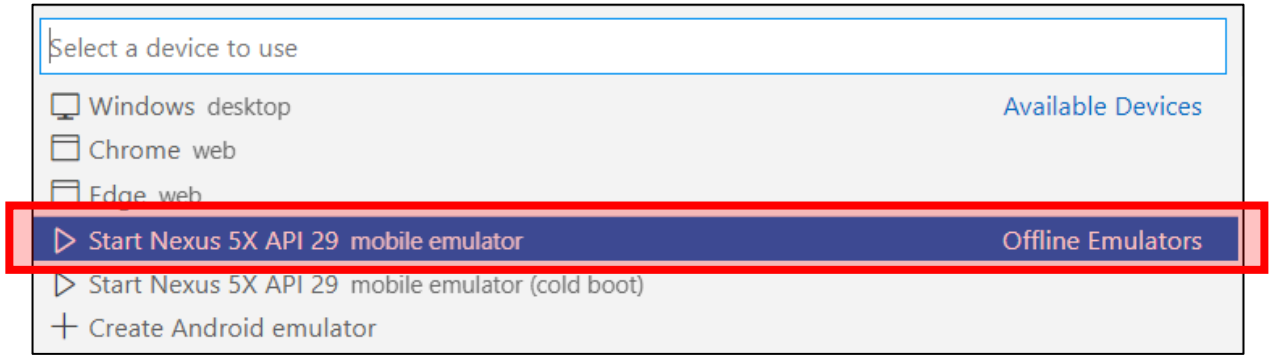
Creating first flutter app



Creating first flutter app

- Select target virtual device from status bar.





Running first flutter app

- Press F5 key or select Run > Start Debugging.
- Wait for the emulator to load.