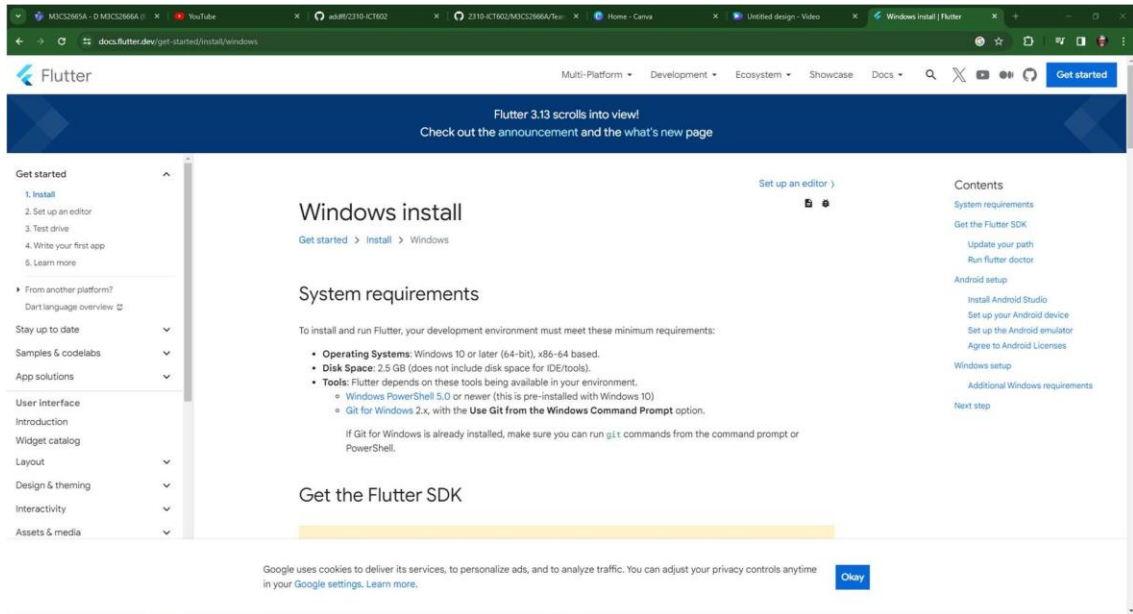


Team: TAMAJU

## Lab 1: How to install Flutter

1. Go to <https://docs.flutter.dev/get-started/install/windows>



2. Install flutter SDK. Click the blue button.

## Get the Flutter SDK

**Important:** If you're in China, read [Using Flutter in China](#).

[Help](#)

1. Download the following installation bundle to get the latest stable release of the Flutter SDK:

**flutter\_windows\_3.13.9-stable.zip**

For other release channels, and older builds, check out the [SDK archive](#).

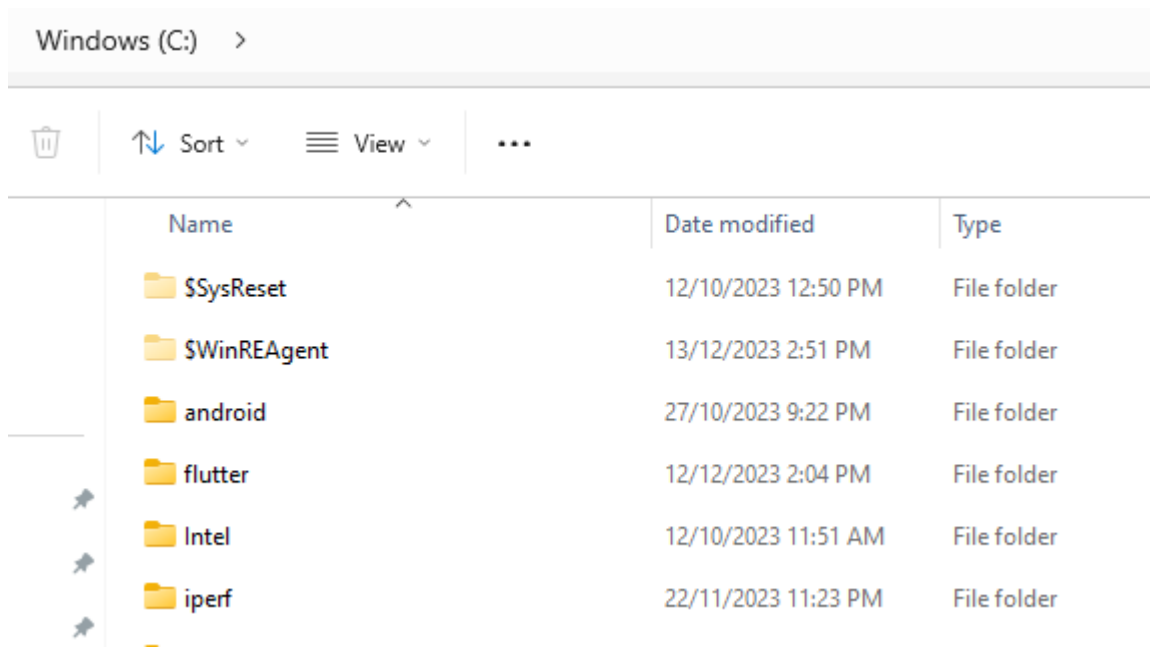
2. Extract the zip file and place the contained `flutter` in the desired installation location for the Flutter SDK (for example, `%USERPROFILE%\flutter`, `D:\dev\flutter`).

**Warning:** Do not install Flutter to a path that contains special characters or spaces.

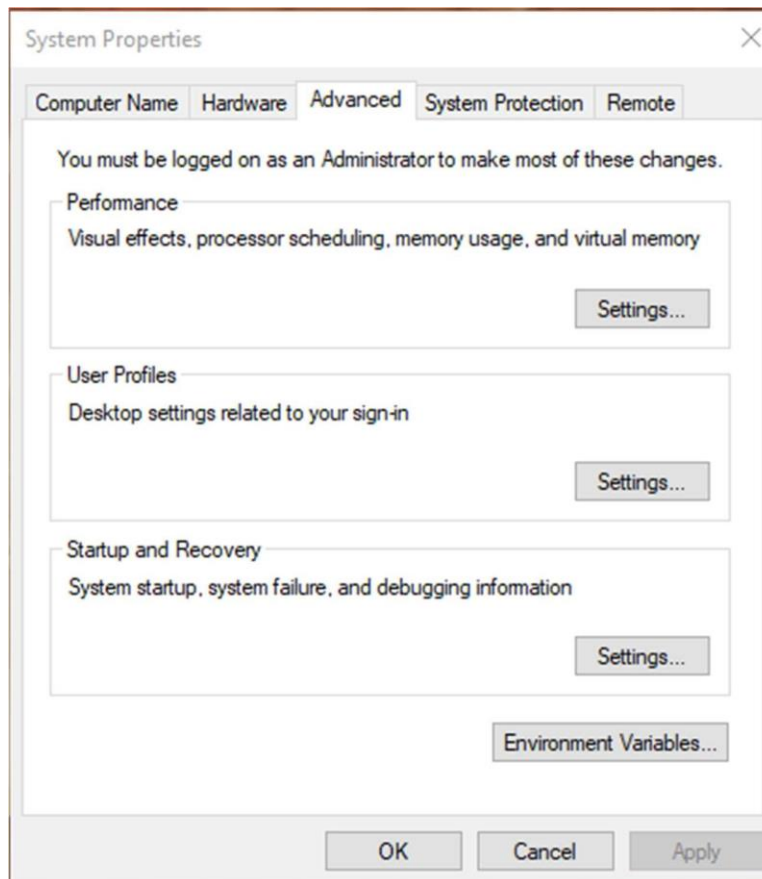
**Warning:** Do not install Flutter in a directory like `C:\Program Files\` that requires elevated privileges.

You are now ready to run Flutter commands in the Flutter Console.

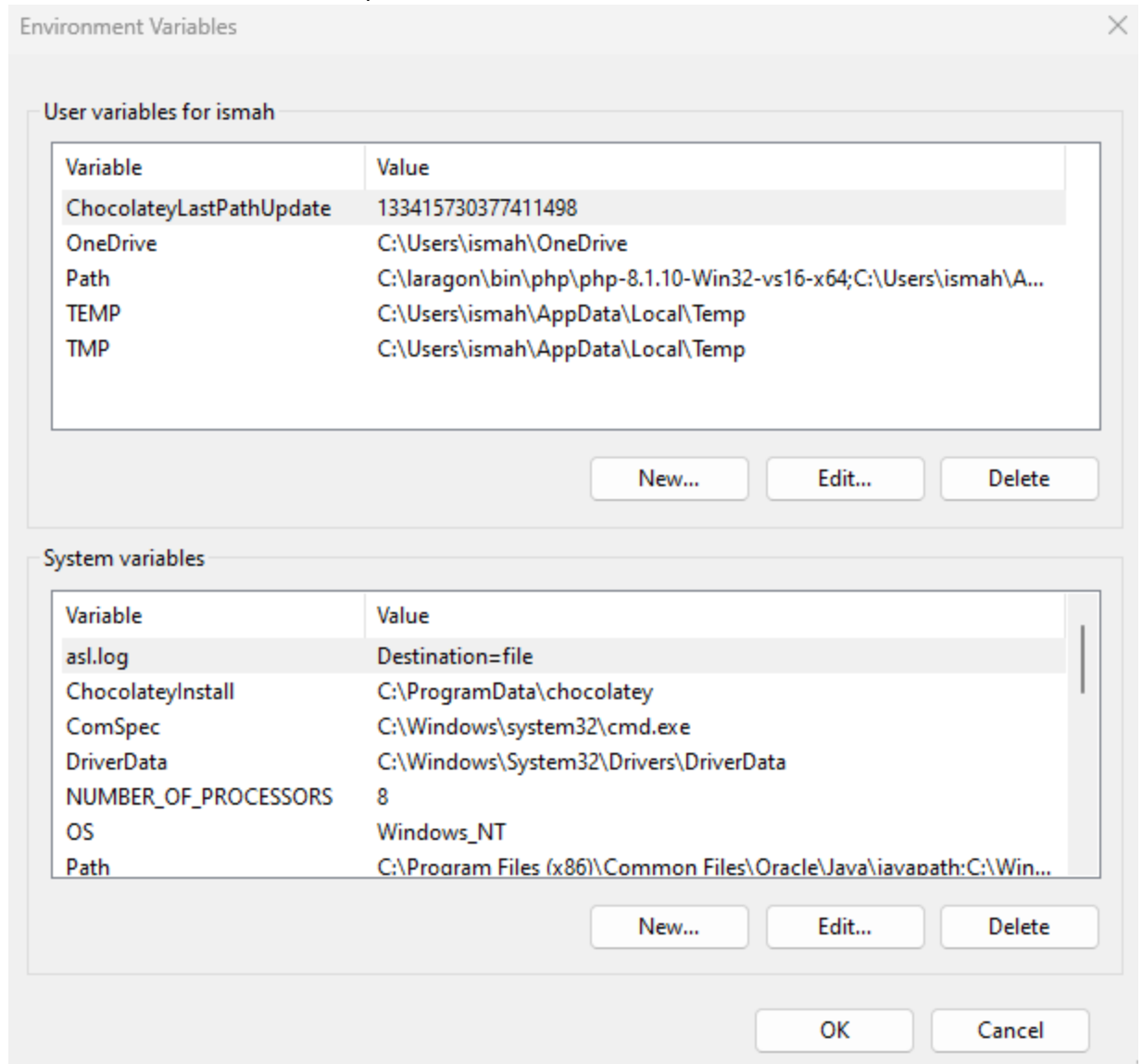
3. Place the Flutter SDK folder at C: drive.



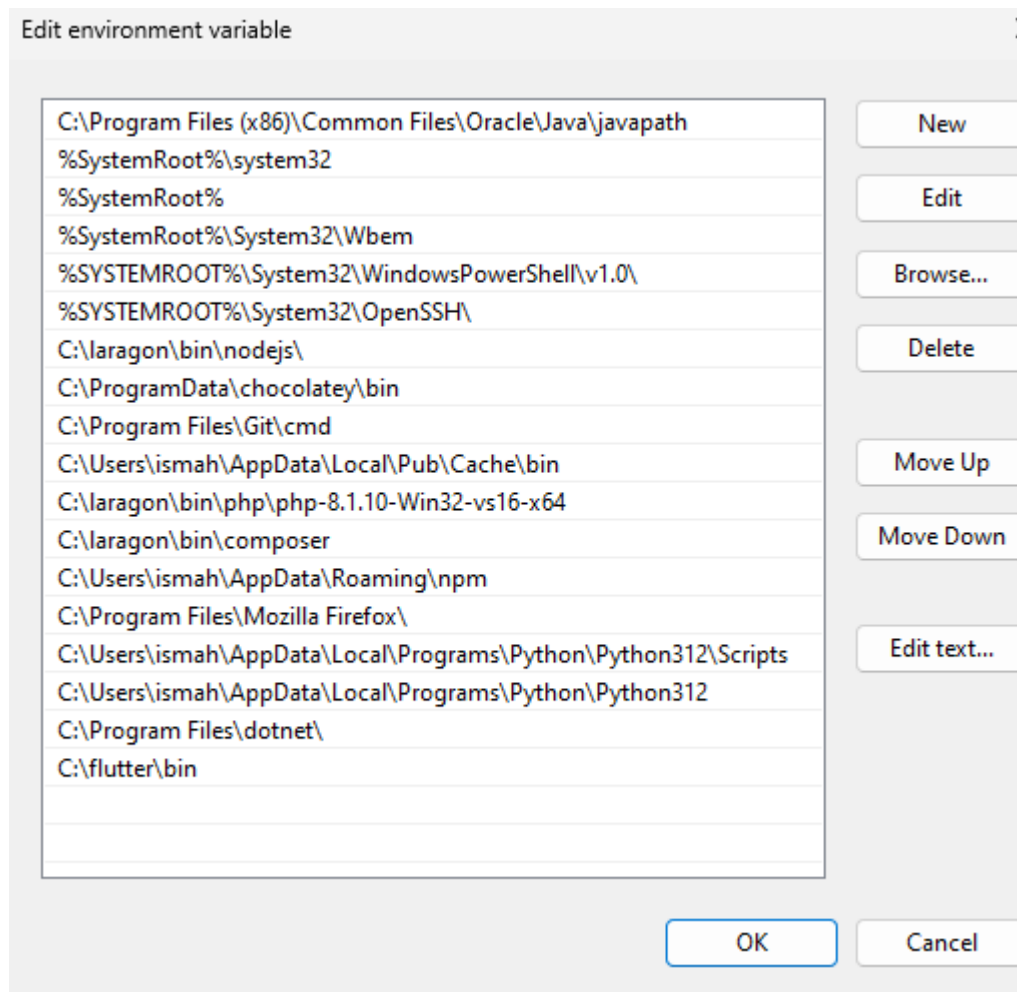
4. Go to System Properties and click Environment Variables.



Click Path and "Edit..." button on System variables.



Press New button and copy and paste path to flutter\bin



5. Check your cmd if flutter sdk is installed according to your path

```
C:\flutter\flutter\bin>where flutter dart
C:\flutter\flutter\bin\flutter
C:\flutter\flutter\bin\flutter.bat
C:\flutter\flutter\bin\dart
C:\flutter\flutter\bin\dart.bat
```

6. Write a command “flutter” in your cmd.

```
C:\Flutter\Flutter\bin>flutter
Manage your Flutter app development.

Common commands:

Flutter create [output directory]
  Create a new Flutter project in the specified directory.

Flutter run [options]
  Run your Flutter application on an attached device or in an emulator.

Usage: flutter <command> [arguments]

Global options:
-h, --help            Print this usage information.
-v, --verbose         Verbose logging, including all shell commands executed.
                        If used with "--help", shows hidden options. If used with "flutter doctor", shows additional
                        diagnostic information. (Use "-vv" to force verbose logging in those cases.)
-d, --device-id       Target device id or name (prefixes allowed).
--version             Reports the version of this tool.
--suppress-analytics  Suppress analytics reporting for the current CLI invocation.
--disable-telemetry   Disable telemetry reporting each time a flutter or dart command runs, until it is
                        re-enabled.
--enable-telemetry    Enable telemetry reporting each time a flutter or dart command runs.

Available commands:

Flutter SDK
bash-completion      Output command line shell completion setup scripts.
channel              List or switch Flutter channels.
config               Configure Flutter settings.
doctor               Show information about the installed tooling.
downgrade            Downgrade Flutter to the last active version for the current channel.
precache             Populate the Flutter tool's cache of binary artifacts.
upgrade              Upgrade your copy of Flutter.

Project
analyze              Analyze the project's Dart code.
assemble             Assemble and build Flutter resources.
build                Build an executable app or install bundle.
clean                Delete the build and dart tool directories.
create               Create a new Flutter project.
drive                Run integration tests for the project on an attached device or emulator.
get-l10n             Generate localizations for the current project.
pub                  Commands for managing Flutter packages.
run                  Run your Flutter app on an attached device.
test                 Run Flutter unit tests for the current project.

Tools & Devices
attach               Attach to a running app.
custom-devices       List, reset, add and delete custom devices.
devices              List all connected devices.
emulators             List, launch and create emulators.
install              Install a Flutter app on an attached device.
logs                 Show log output for running Flutter apps.
screenshot            Take a screenshot from a connected device.
symbolize             Symbolize a stack trace from an AOT-compiled Flutter app.

Run "flutter help <command>" for more information about a command.
Run "flutter help -v" for verbose help output, including less commonly used options.

C:\Flutter\Flutter\bin>
```

7. Write a command “flutter doctor”

```
Command Prompt - Flutter - Flutter doctor

analytics collection will disable both the legacy and new analytics collection systems. You can disable analytics
reporting by running "flutter --disable-analytics"

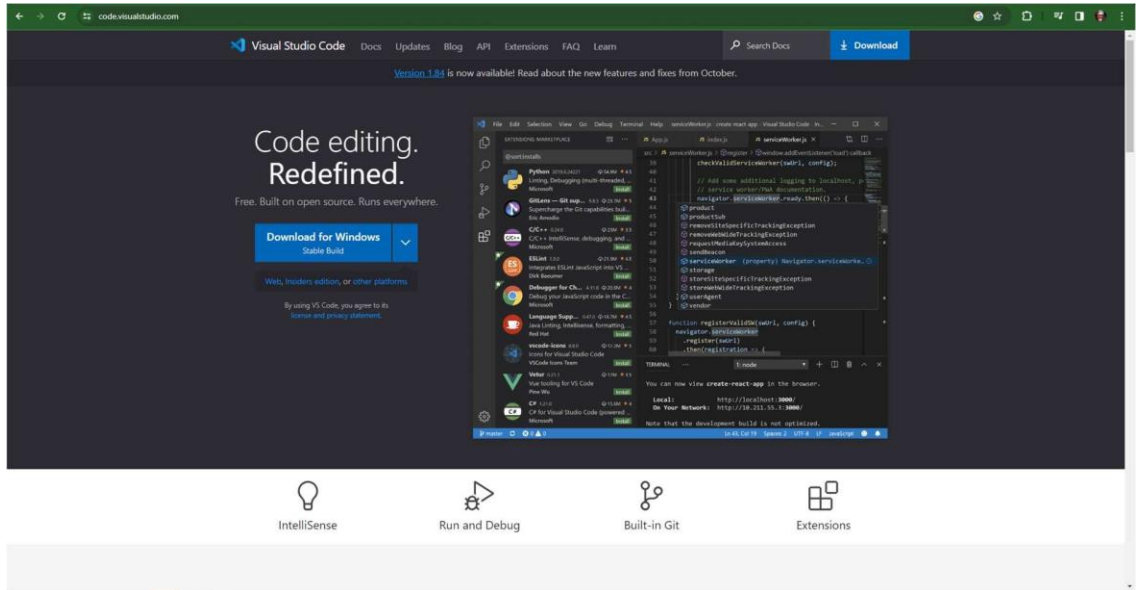
C:\Flutter\Flutter\bin>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.13.0, on Microsoft Windows [Version 10.0.19045.3448], locale en-US)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[✗] Android toolchain - develop for Android devices
    Unable to locate Android SDK.
    Install Android Studio from: https://developer.android.com/studio/index.html
    Do first launch it will assist you in installing the Android SDK components.
    (or visit https://flutter.dev/docs/get-started/install/windows#android-setup for detailed instructions).
    If the Android SDK has been installed to a custom location, please use
    "flutter config --android-sdk" to update to that location.

[✓] Chrome - develop for the web
[✓] Visual Studio - develop Windows apps
    Visual Studio not installed; this is necessary to develop Windows apps.
    Download at https://visualstudio.microsoft.com/downloads/.
    Please install the "Desktop development with C++" workload, including all of its default components
[✓] Android Studio (not installed)
[✓] VS Code (version 1.78.2)
[✓] Connected device (3 available)
[✓] Network resources

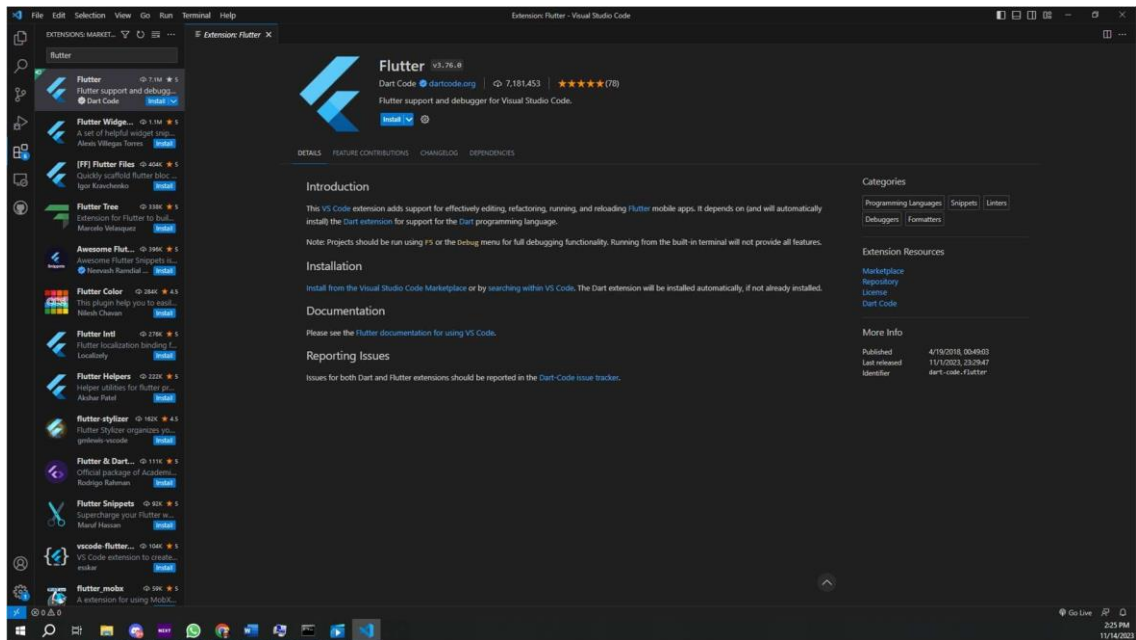
Doctor found issues in 3 categories.

C:\Flutter\Flutter\bin>
```

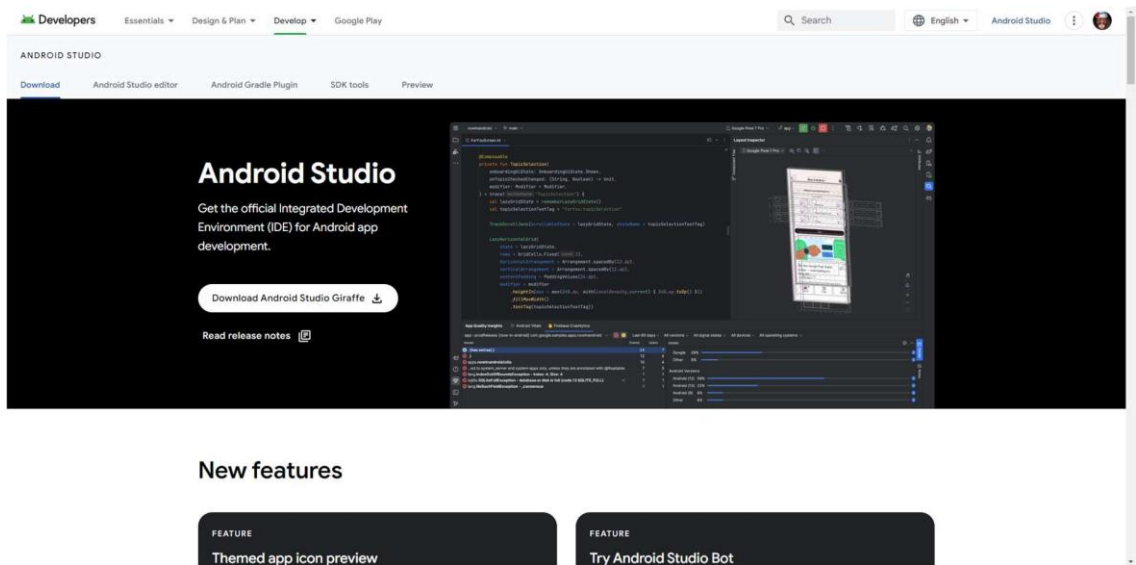
8. Install Visual Studio Code: <https://code.visualstudio.com/>



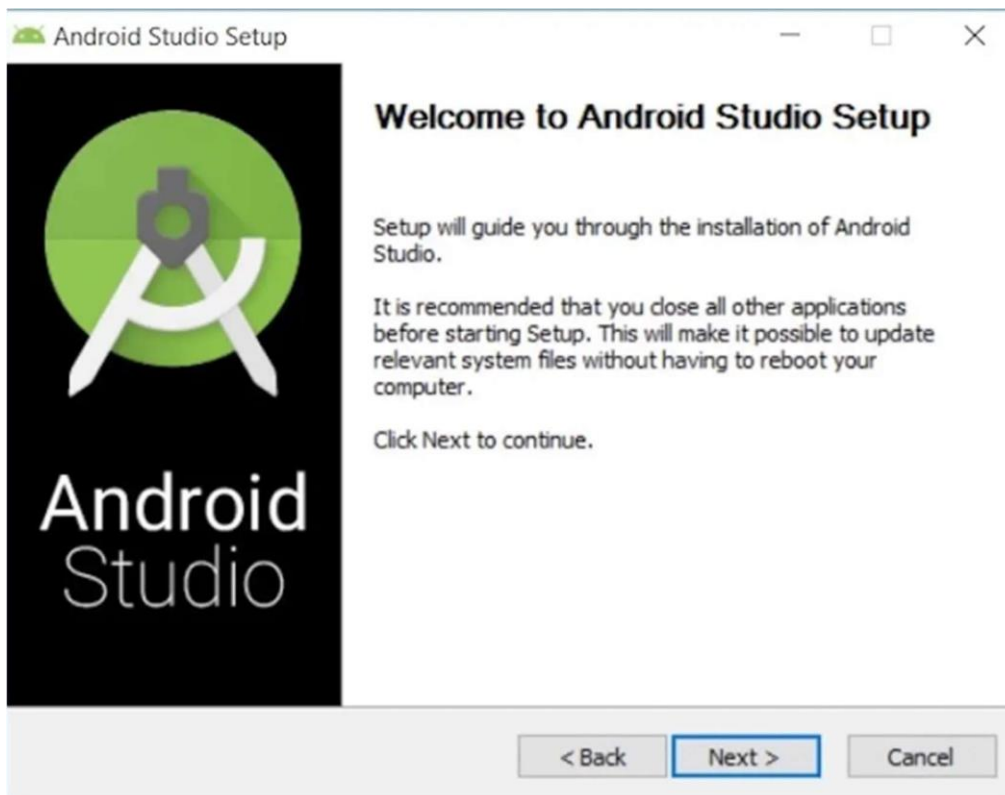
Install Flutter extension in Visual Studio Code

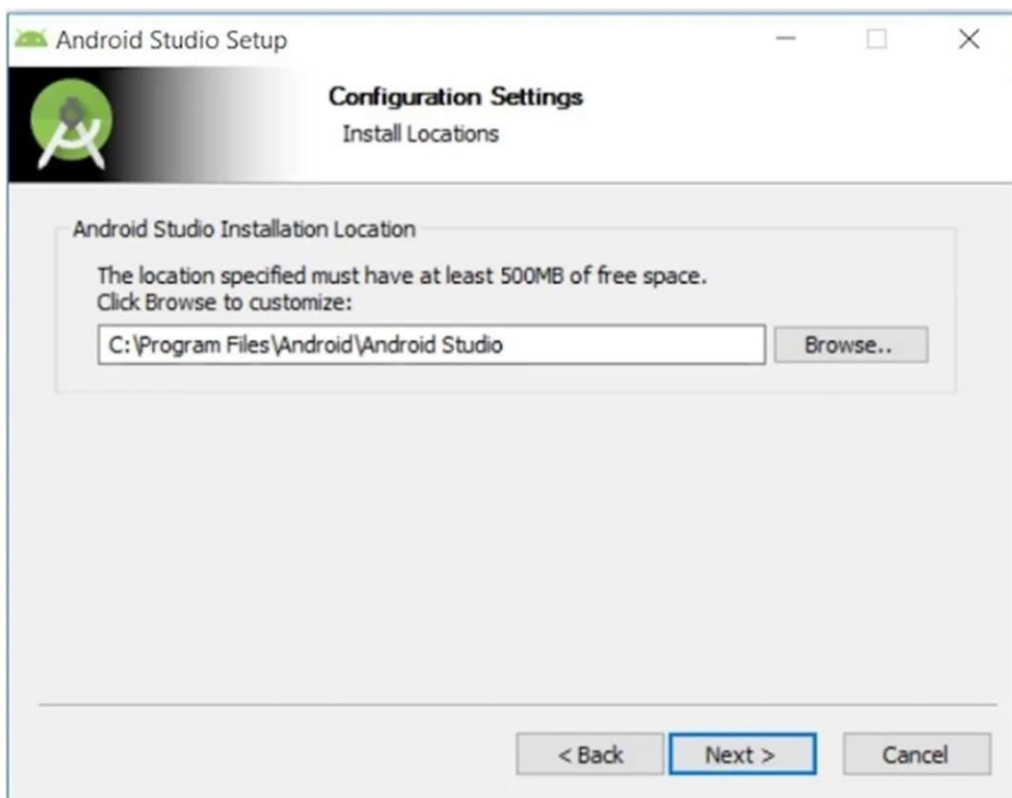
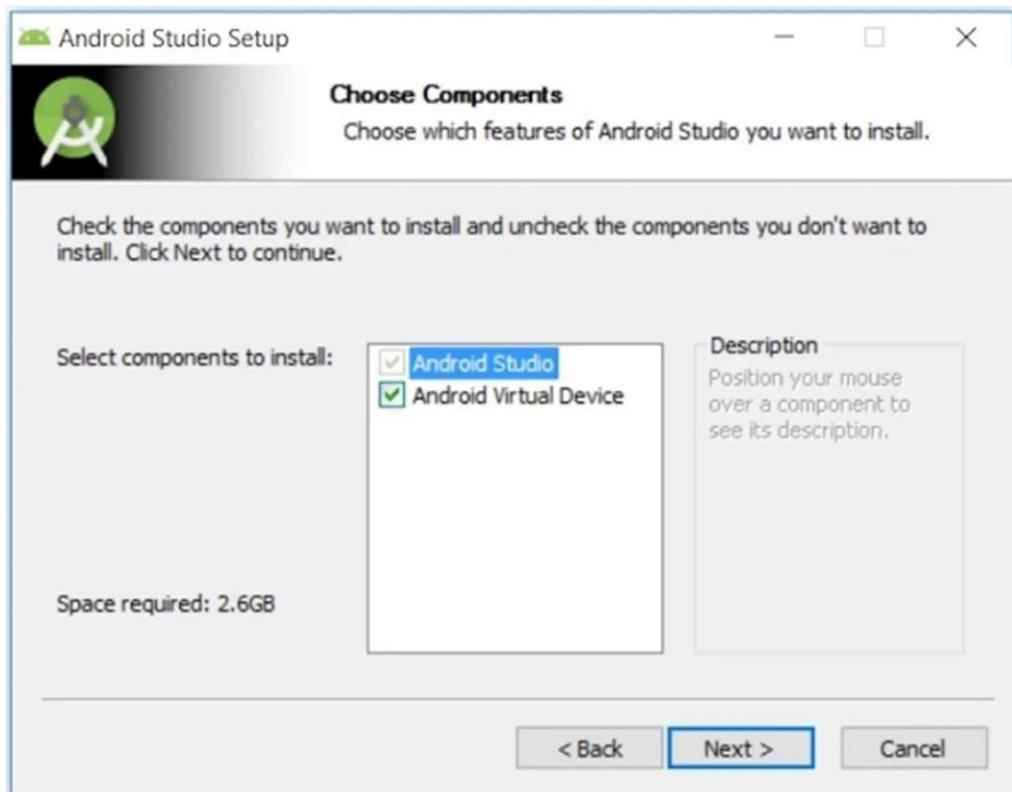


9. Install Android Studio: <https://developer.android.com>

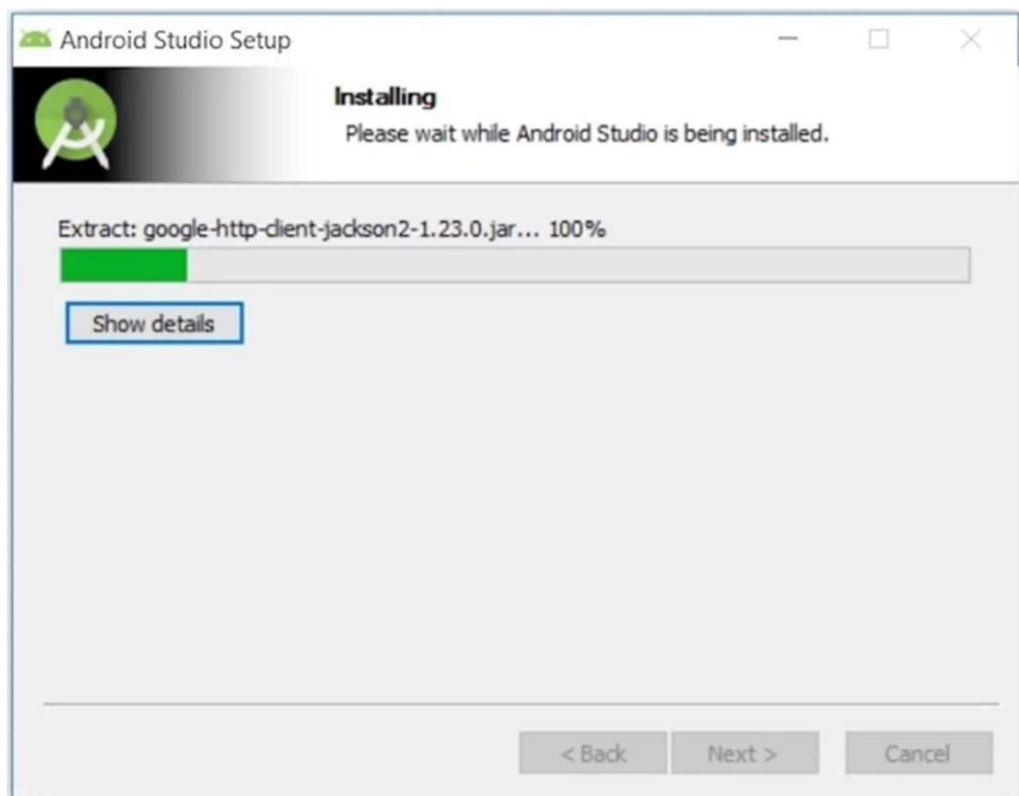
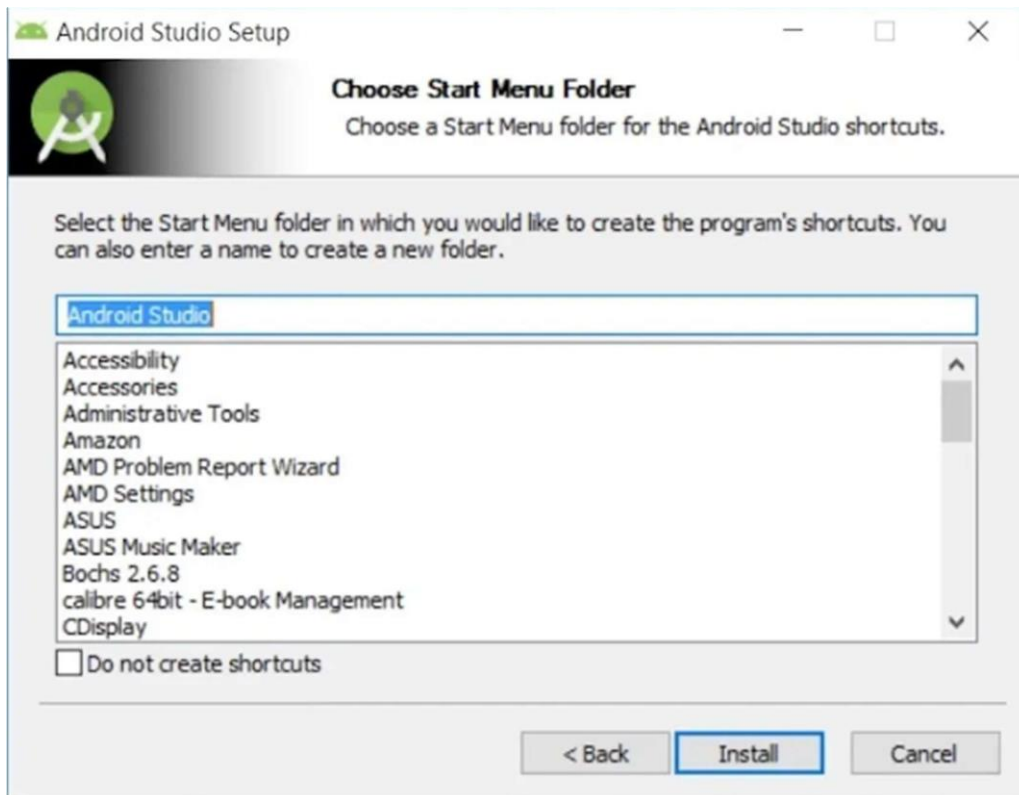


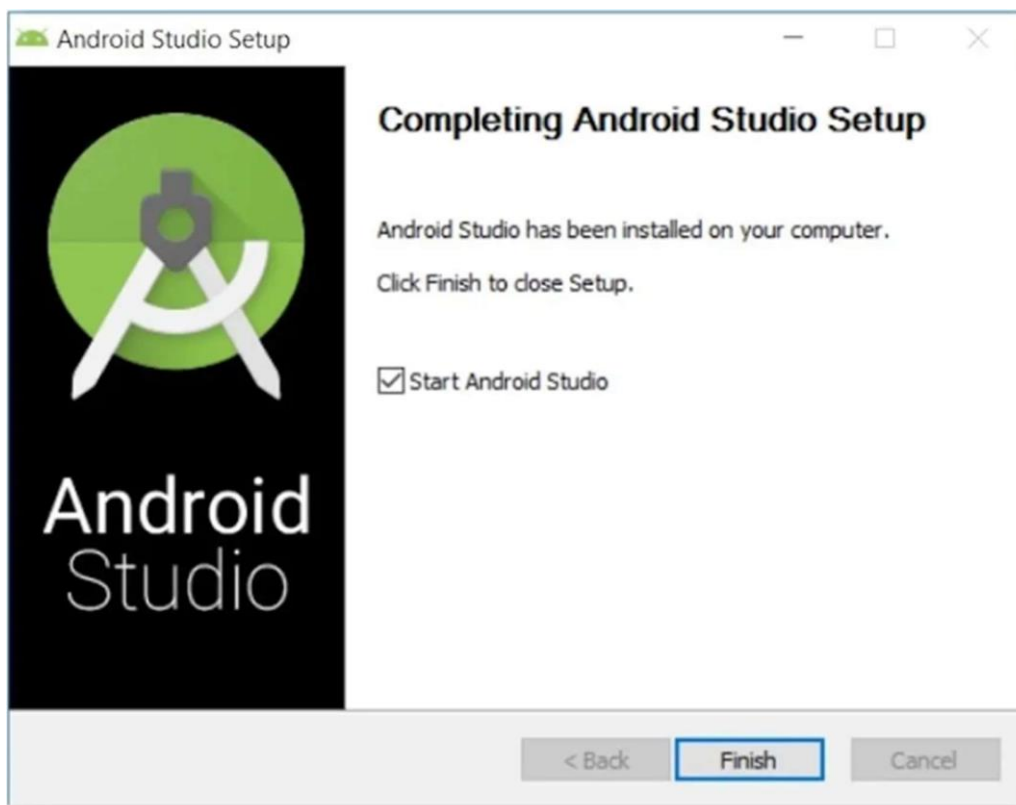
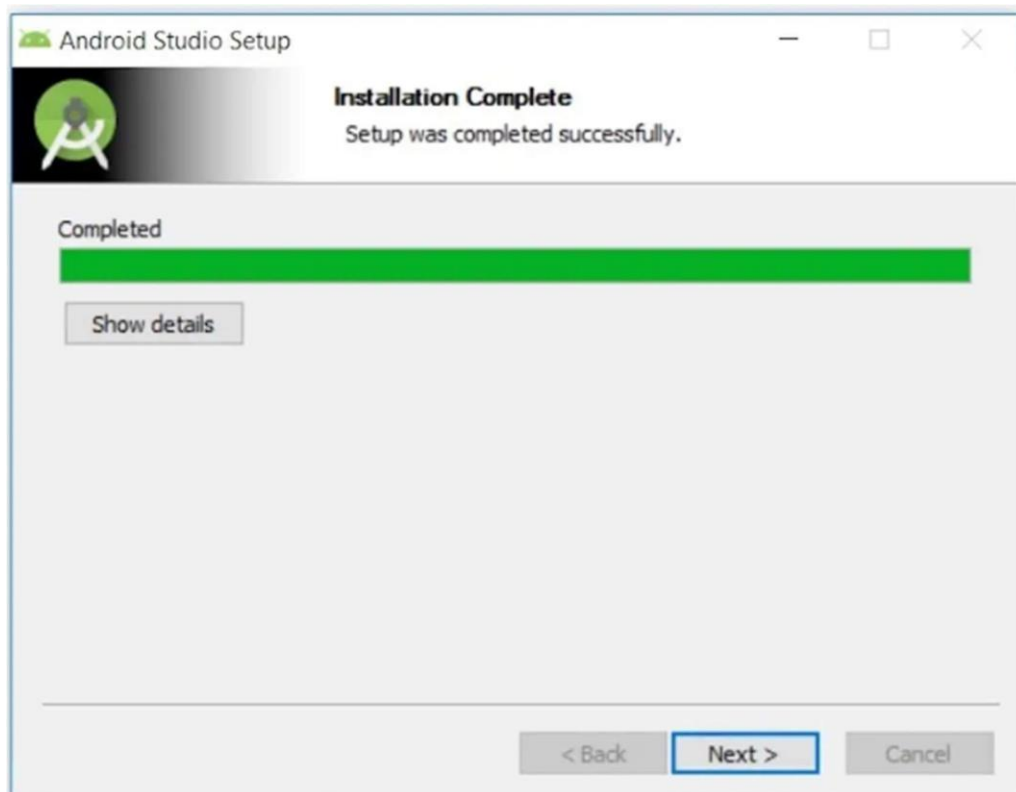
10. Android Studio Install Tutorial

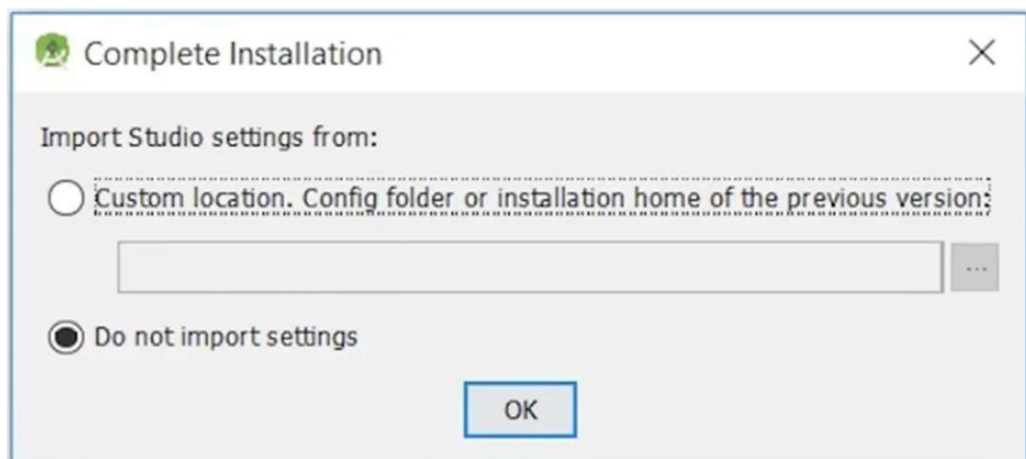


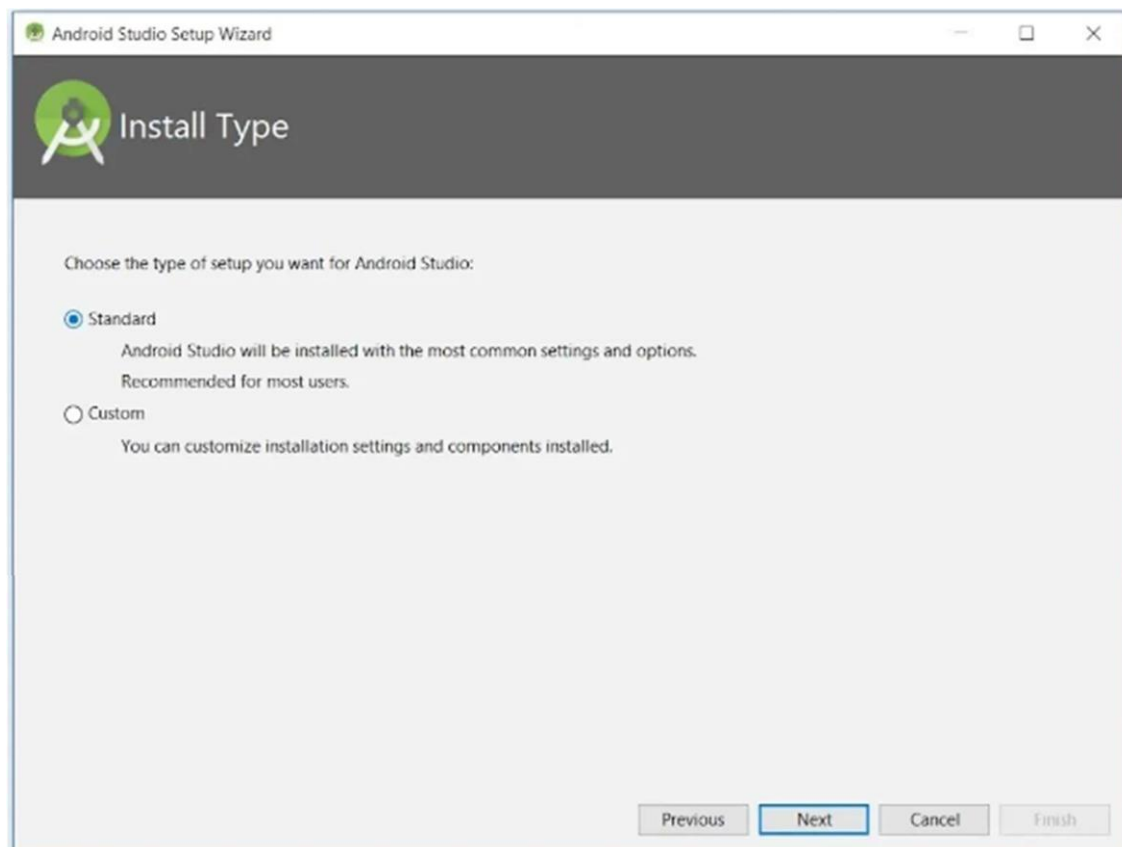
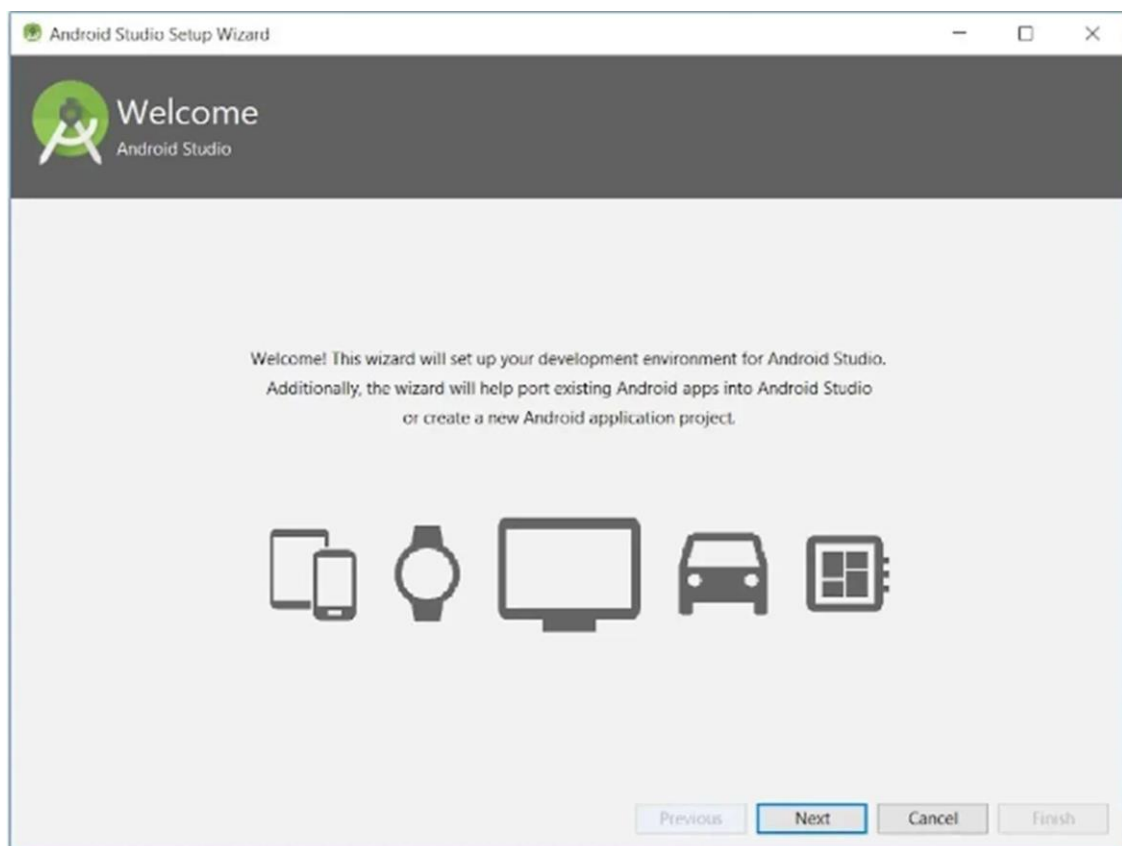


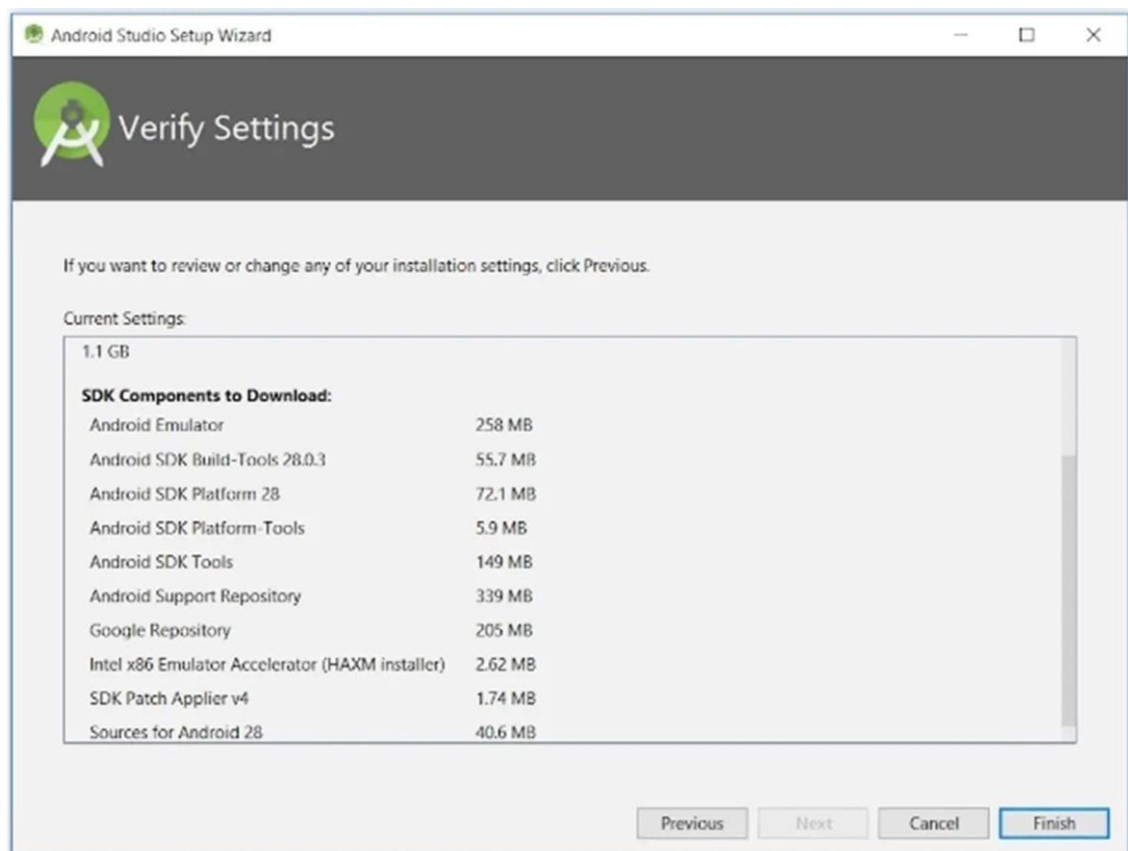
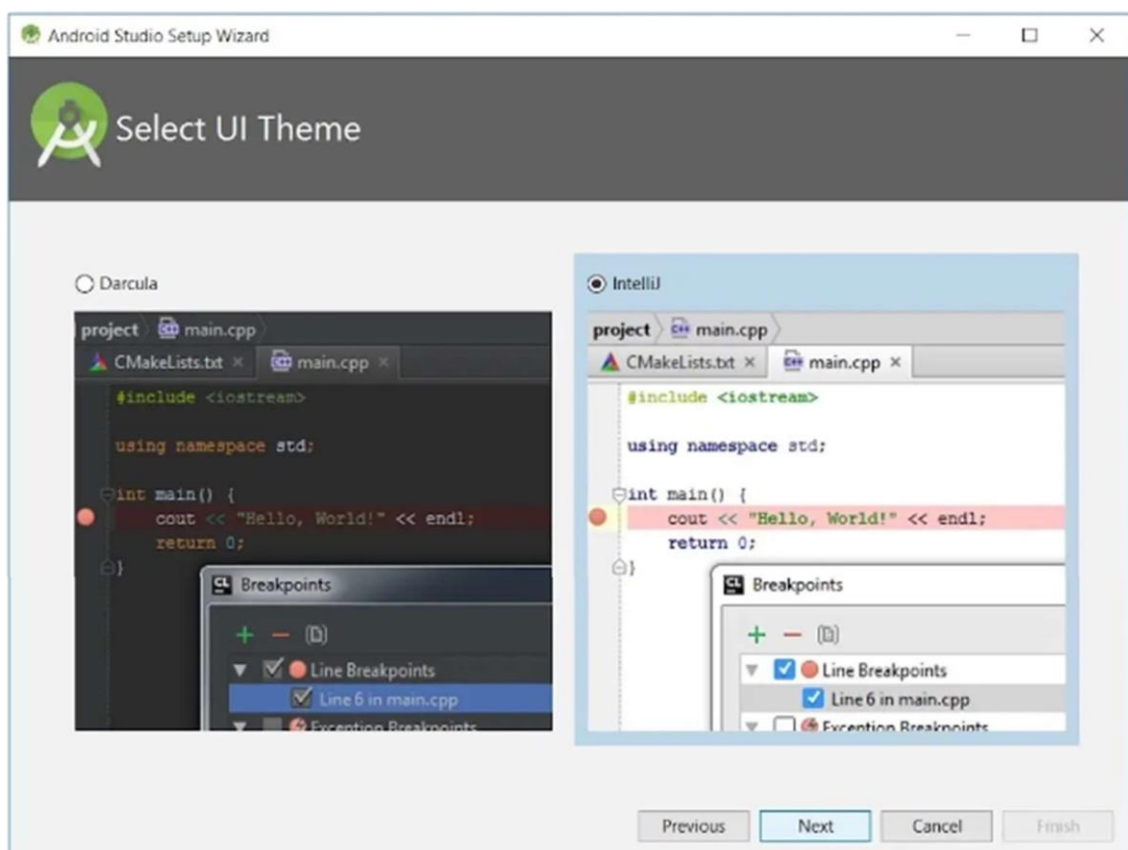


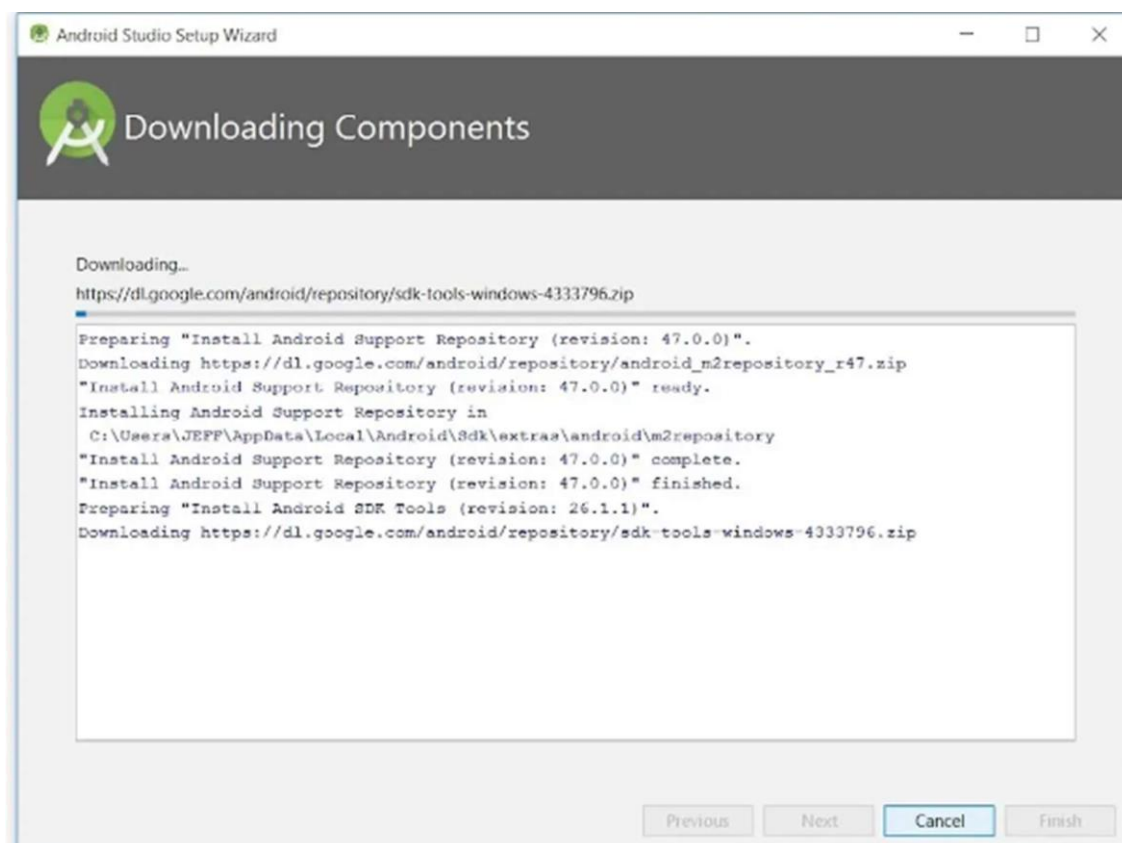
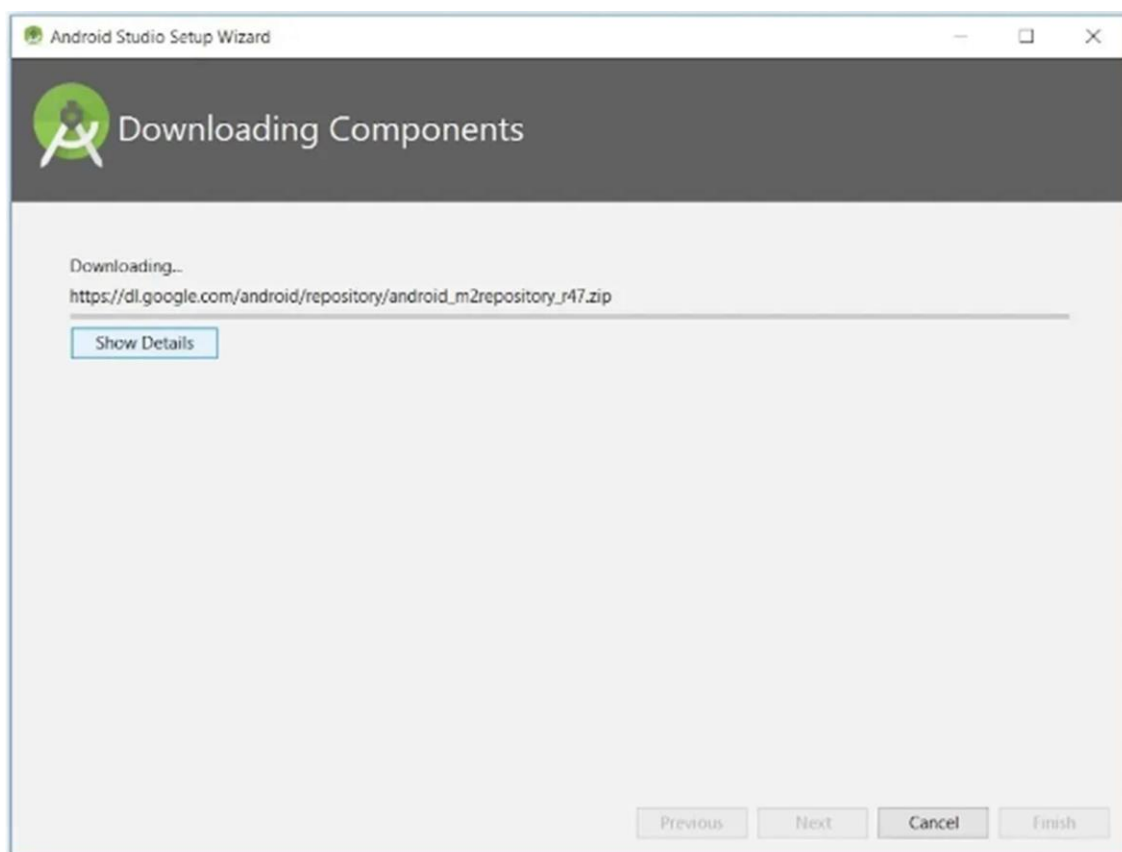


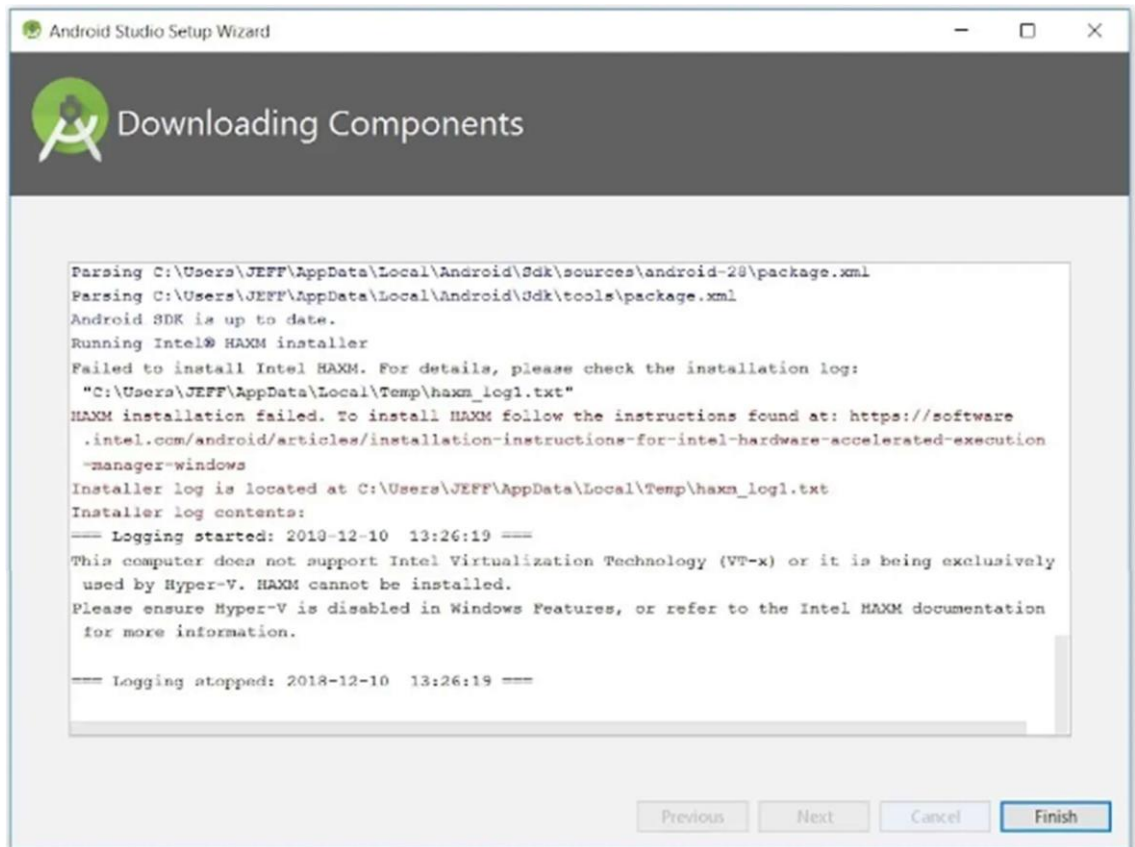




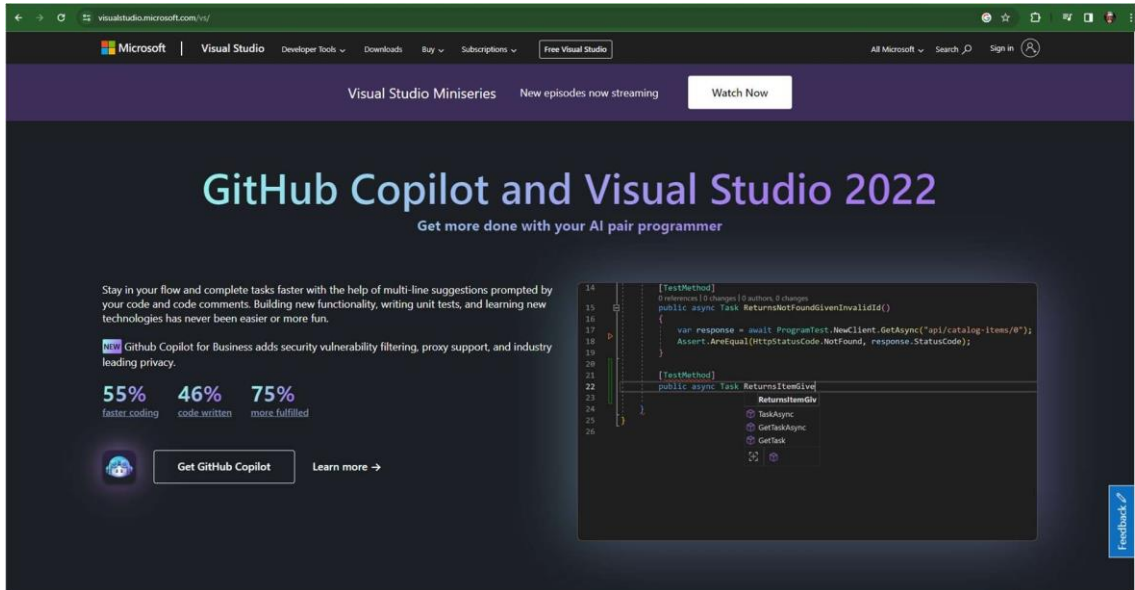


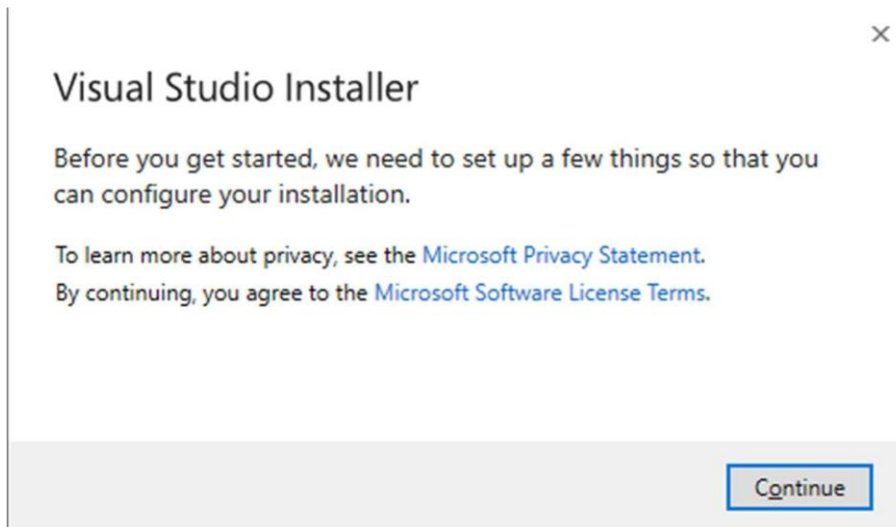




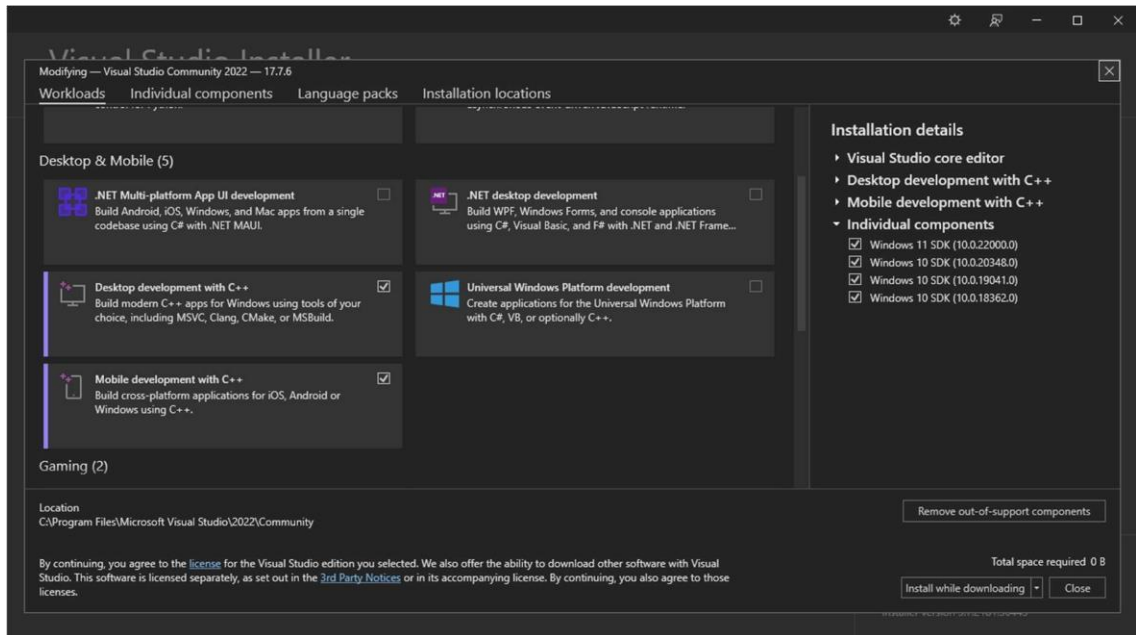


11. Visual Studio Install : <https://visualstudio.microsoft.com/vs/>





Tick Windows 10 SDK and “Desktop development with C++” and “Mobile development with C++”



12. Write the command “flutter doctor” again if your flutter is complete.

```
C:\flutter\flutter\bin>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.13.9, on Microsoft Windows [Version 10.0.19045.3570], locale en-US)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[✓] Android toolchain - develop for Android devices (Android SDK version 34.0.0)
[✓] Chrome - develop for the web
[✓] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.7.6)
[✓] Android Studio (version 2022.3)
[✓] VS Code (version 1.78.2)
[✓] Connected device (3 available)
[✓] Network resources
```