Name : Ailsa Sahda Garizah

Class : 2G

NIM : 244107060006

Major : Business Information System

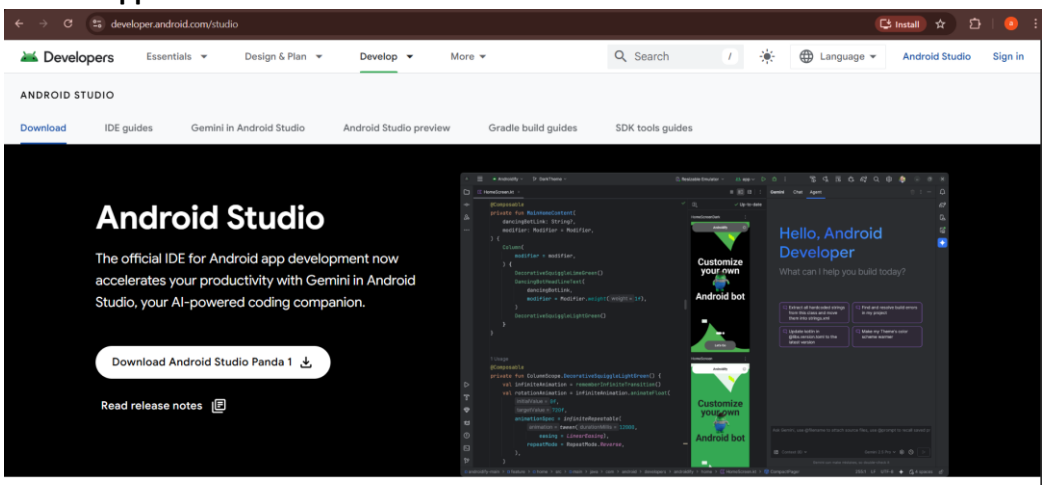
JOBSHEET 1

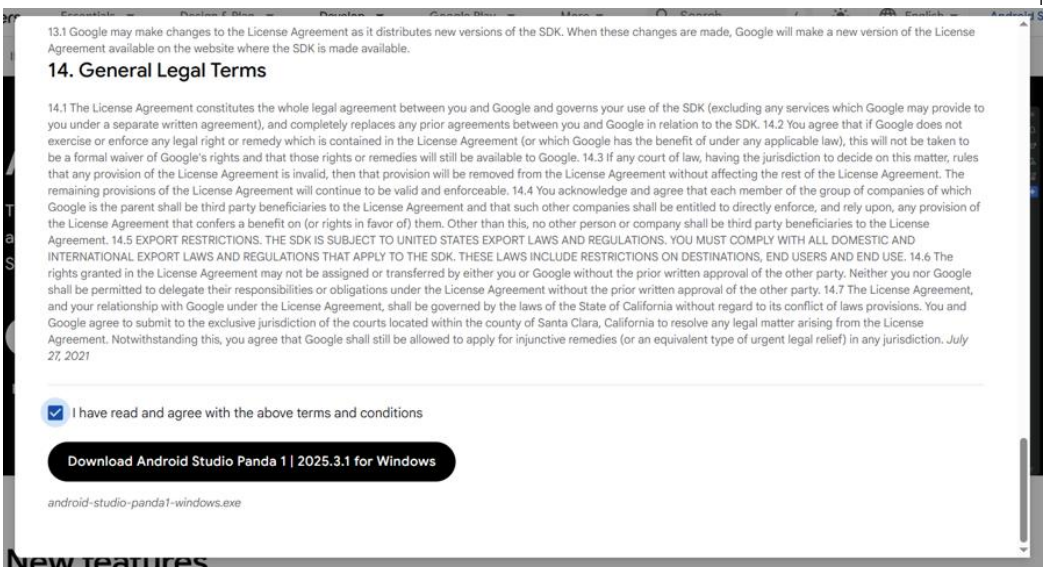
INSTALLATION ANDROID STUDIO AND FLUTTER

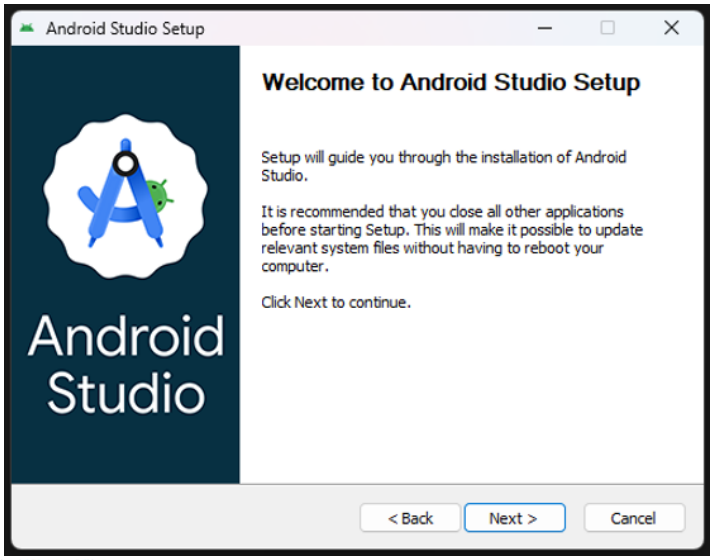
PEMROGRAMAN MOBILE

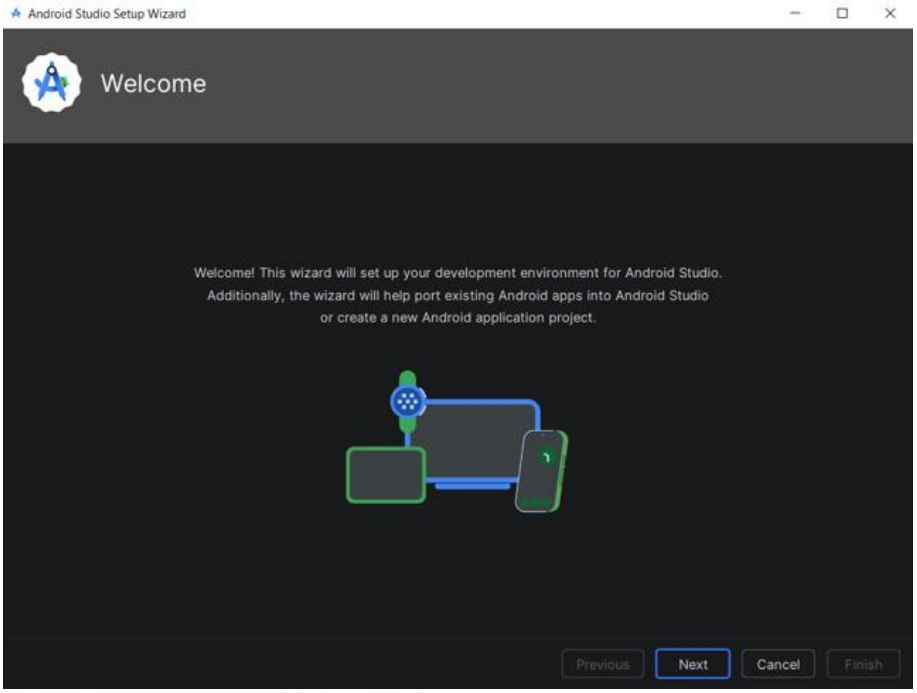
Link Github: https://github.com/Ailsasahda13/PemrogramanMobile

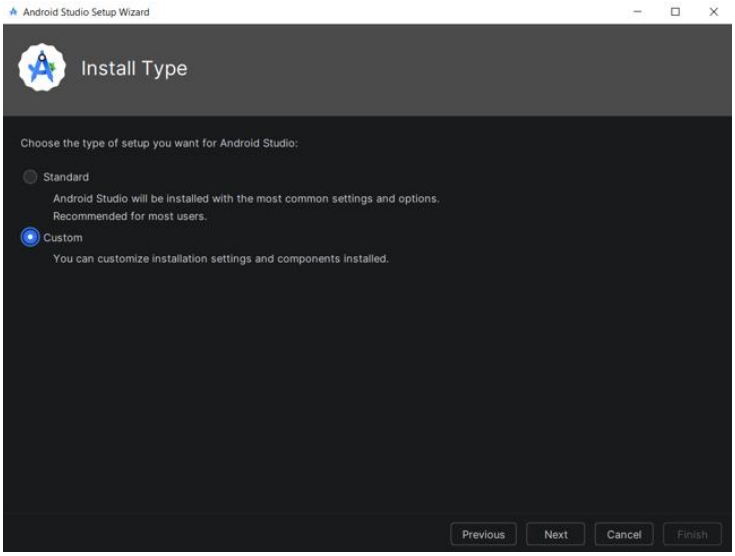
1. Download Application Android Studio

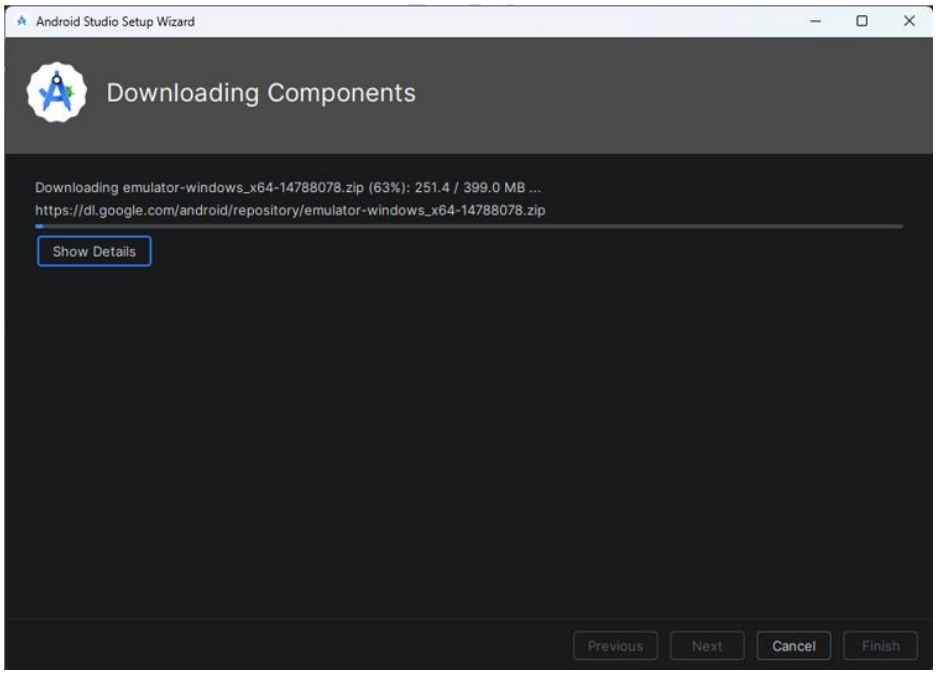




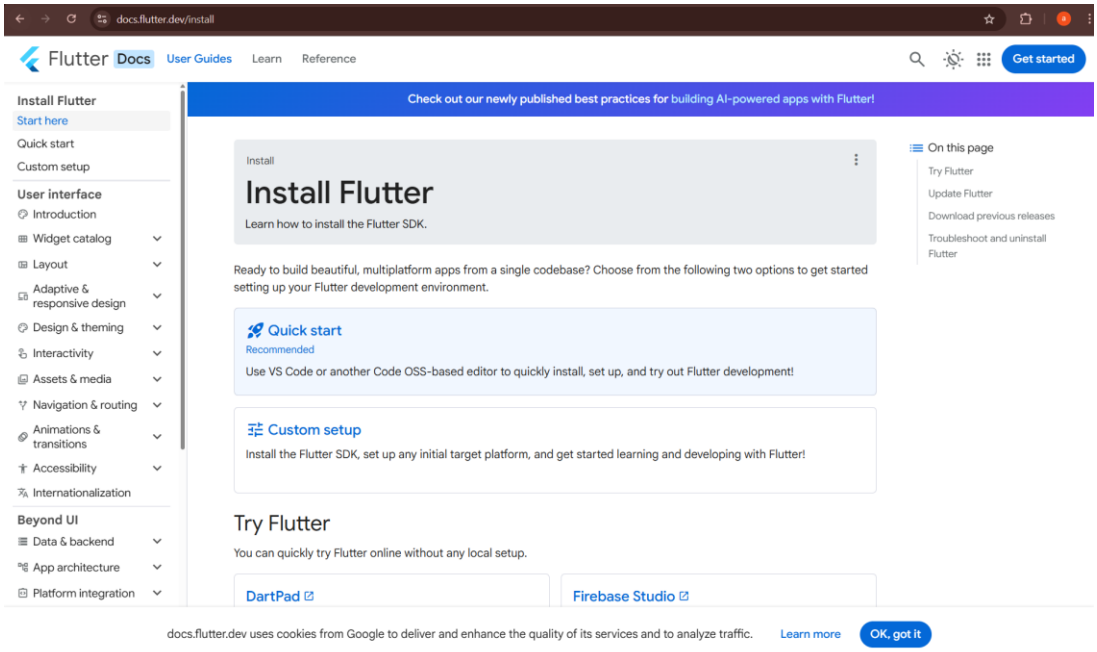

Android Studio Setup
Welcome to Android Studio Setup
Setup will guide you through the installation of Android Studio.
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
Android Studio
< Back
Next >
Cancel

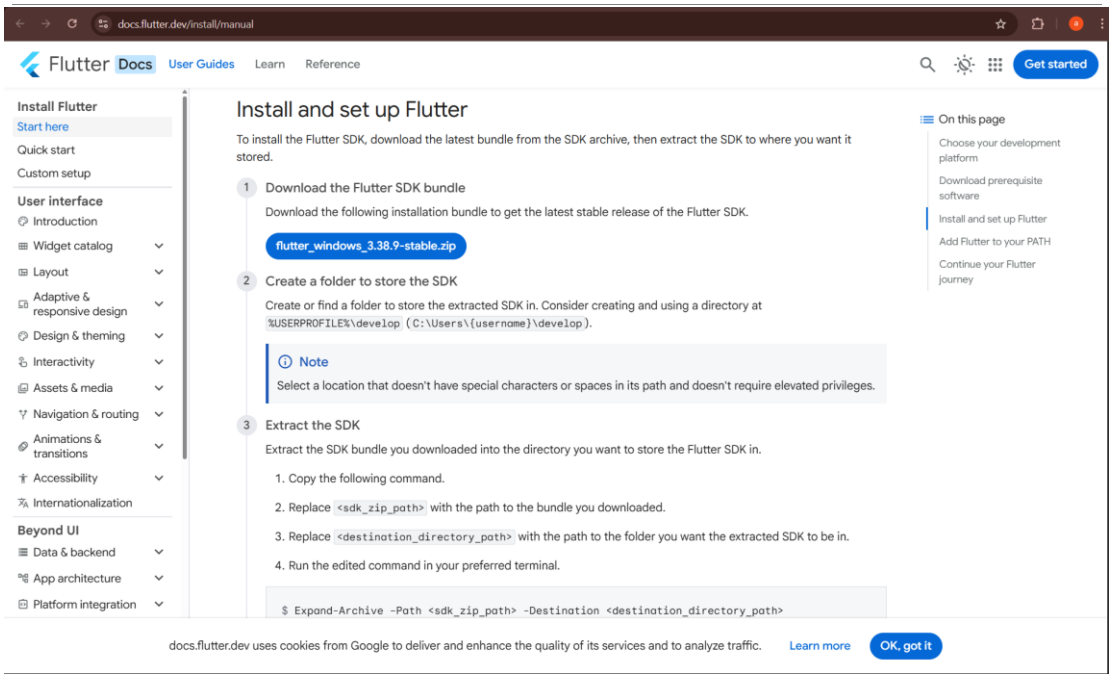

Android Studio Setup Wizard
Welcome
Welcome! This wizard will set up your development environment for Android Studio.
Additionally, the wizard will help port existing Android apps into Android Studio
or create a new Android application project.
Previous
Next
Cancel
Finish

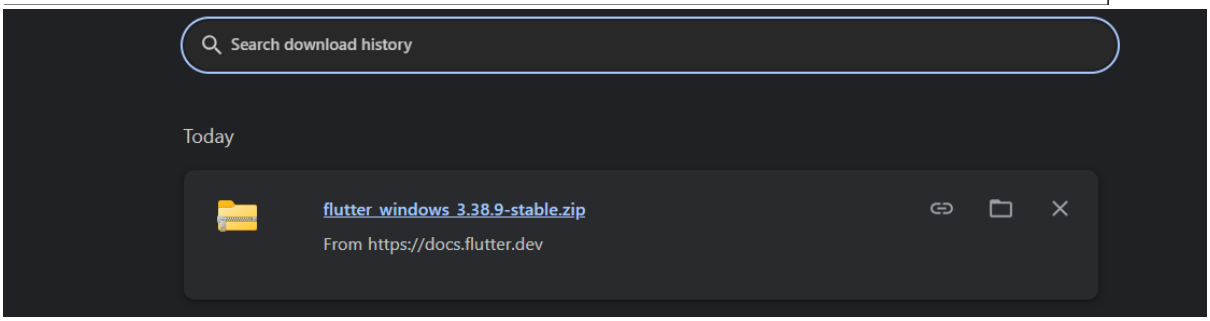

Android Studio Setup Wizard
Install Type
Choose the type of setup you want for Android Studio:
Standard
Android Studio will be installed with the most common settings and options.
Recommended for most users.
Custom
You can customize installation settings and components installed.
Previous
Next
Cancel
Finish

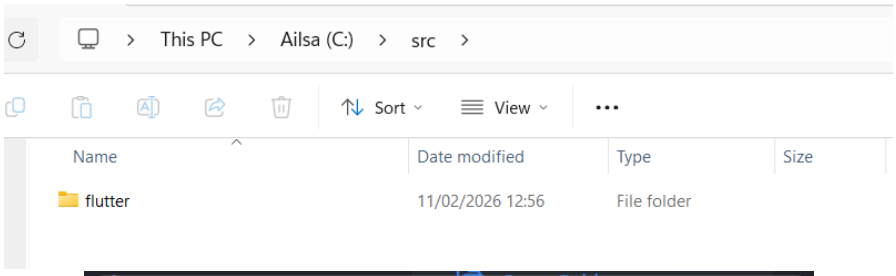

Android Studio Setup Wizard
Downloading Components
Downloading emulator-windows_x64-14788078.zip (63%): 251.4 / 399.0 MB ...
https://dl.google.com/android/repository/emulator-windows_x64-14788078.zip
Show Details
Previous
Next
Cancel
Finish

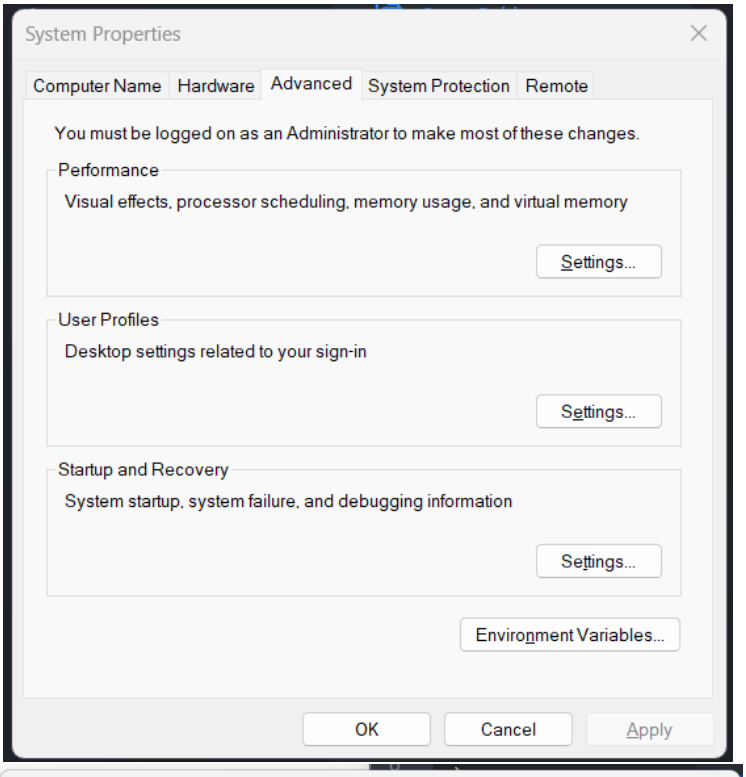
2. Download Flutter

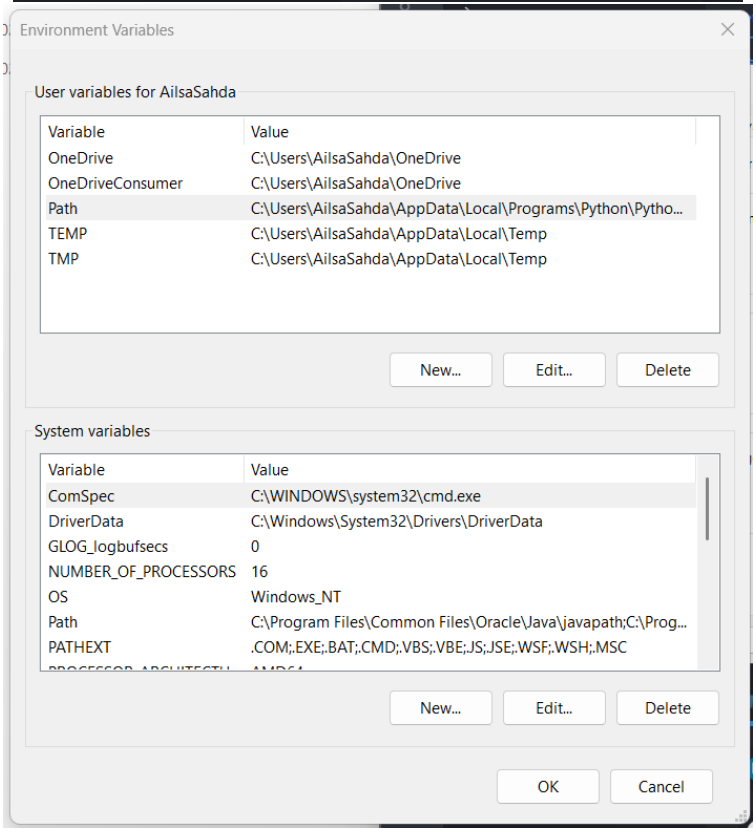


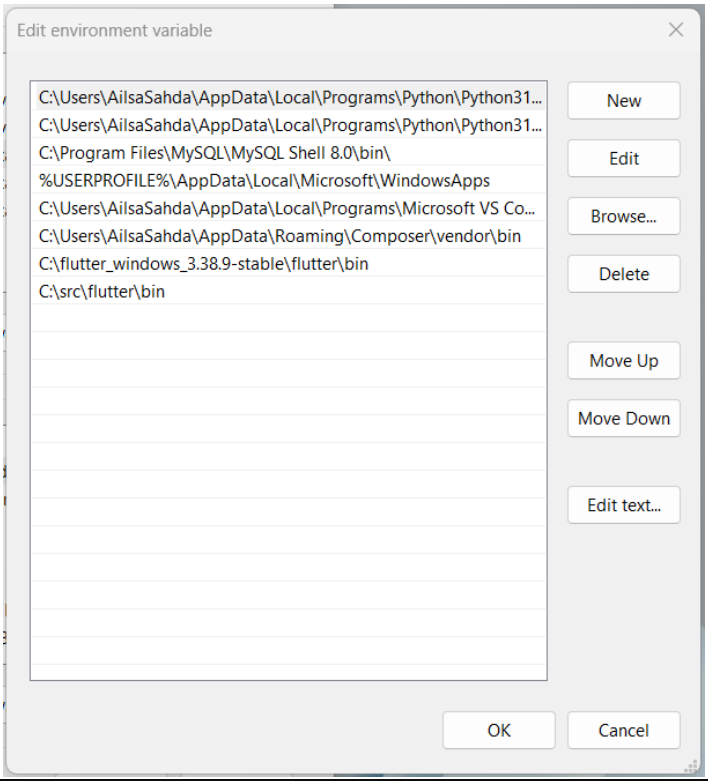





This PC
Ailsa (C:)
src
Sort
View
Name
Date modified
Type
Size
flutter
11/02/2026 12:56
File folder


System Properties
Computer Name
Hardware
Advanced
System Protection
Remote
You must be logged on as an Administrator to make most of these changes.
Performance
Visual effects, processor scheduling, memory usage, and virtual memory
Settings...
User Profiles
Desktop settings related to your sign-in
Settings...
Startup and Recovery
System startup, system failure, and debugging information
Settings...
Environment Variables...
OK
Cancel
Apply

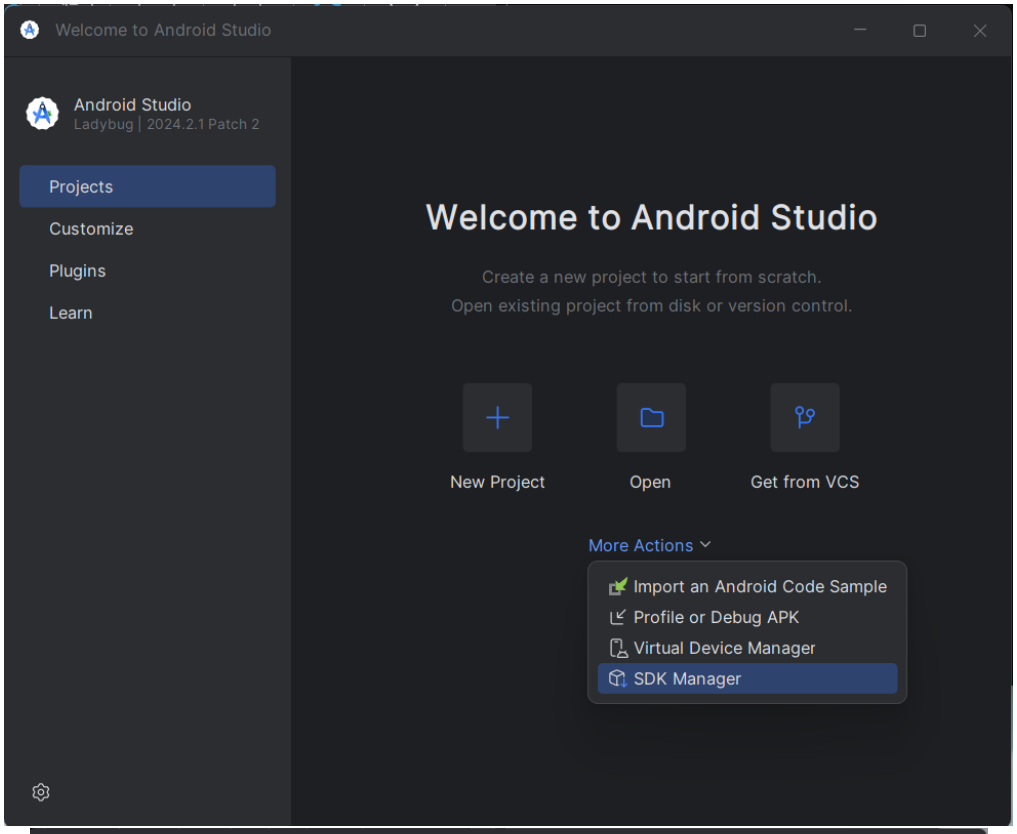

Environment Variables
User variables for AilsaSahda
Variable
Value
OneDrive
C:\Users\AilsaSahda\OneDrive
OneDriveConsumer
C:\Users\AilsaSahda\OneDrive
Path
C:\Users\AilsaSahda\AppData\Local\Programs\Python\Pytho...
TEMP
C:\Users\AilsaSahda\AppData\Local\Temp
TMP
C:\Users\AilsaSahda\AppData\Local\Temp
New...
Edit...
Delete
System variables
Variable
Value
ComSpec
C:\WINDOWS\system32\cmd.exe
DriverData
C:\Windows\System32\Drivers\DriverData
GLOG_logbufsecs
0
NUMBER_OF_PROCESSORS
16
OS
Windows_NT
Path
C:\Program Files\Common Files\Oracle\Java\javapath;C:\Prog...
PATHEXT
.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
New...
Edit...
Delete
OK
Cancel

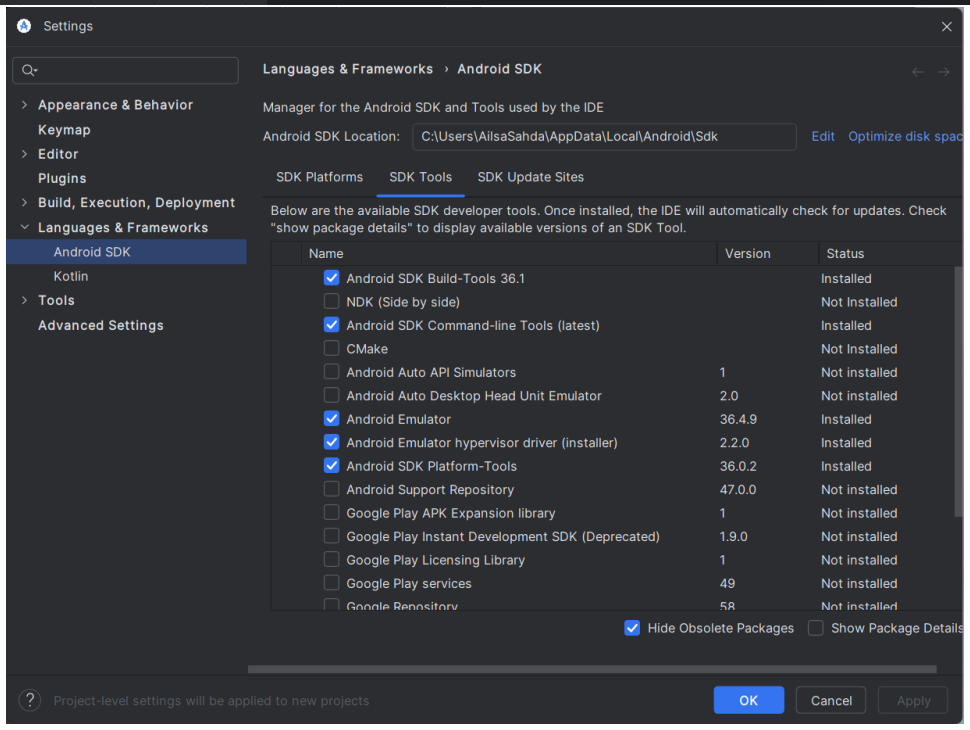


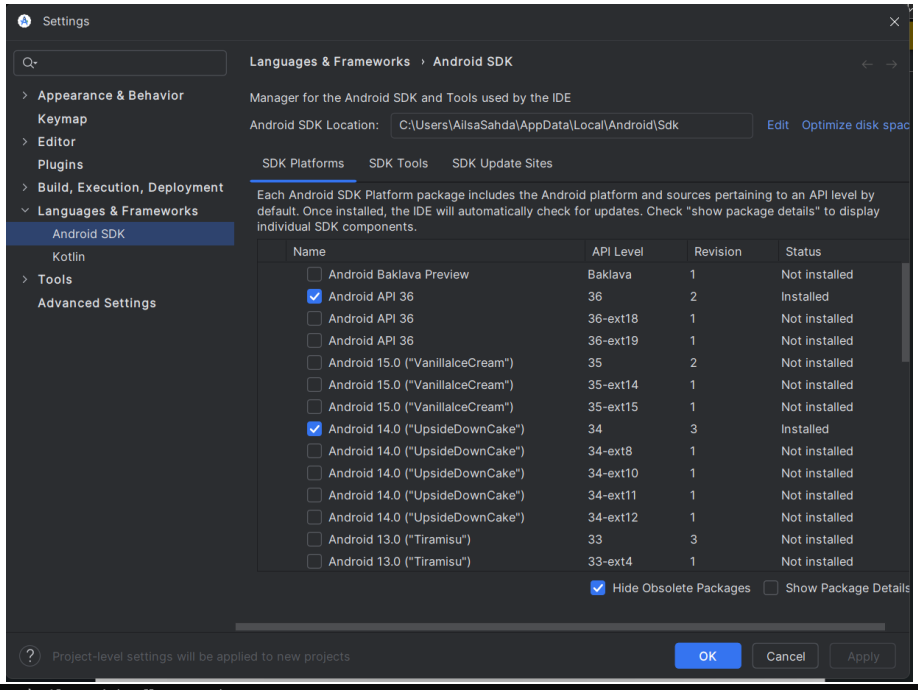

```
C:\Users\AilsaSahda>flutter
Manage your Flutter app development.

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               Noisy 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.
    --enable-analytics      Enable telemetry reporting each time a flutter or dart command runs.
    --disable-analytics     Disable telemetry reporting each time a flutter or dart command runs, until it is
                            re-enabled.
    --suppress-analytics    Suppress analytics reporting for the current CLI invocation.

Available commands:

Flutter SDK
  bash-completion   Output command line shell completion setup scripts.
```

```
C:\Users\AilsaSahda>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[√] Flutter (Channel stable, 3.38.9, on Microsoft Windows [Version 10.0.26100.7623], locale en-ID)
[√] Windows Version (11 Home Single Language 64-bit, 24H2, 2009)
[√] Android toolchain - develop for Android devices (Android SDK version 36.1.0)
[√] Chrome - develop for the web
[X] Visual Studio - develop Windows apps
    X 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
[√] Connected device (3 available)
[√] Network resources

! Doctor found issues in 1 category.
```

3. Android Studio





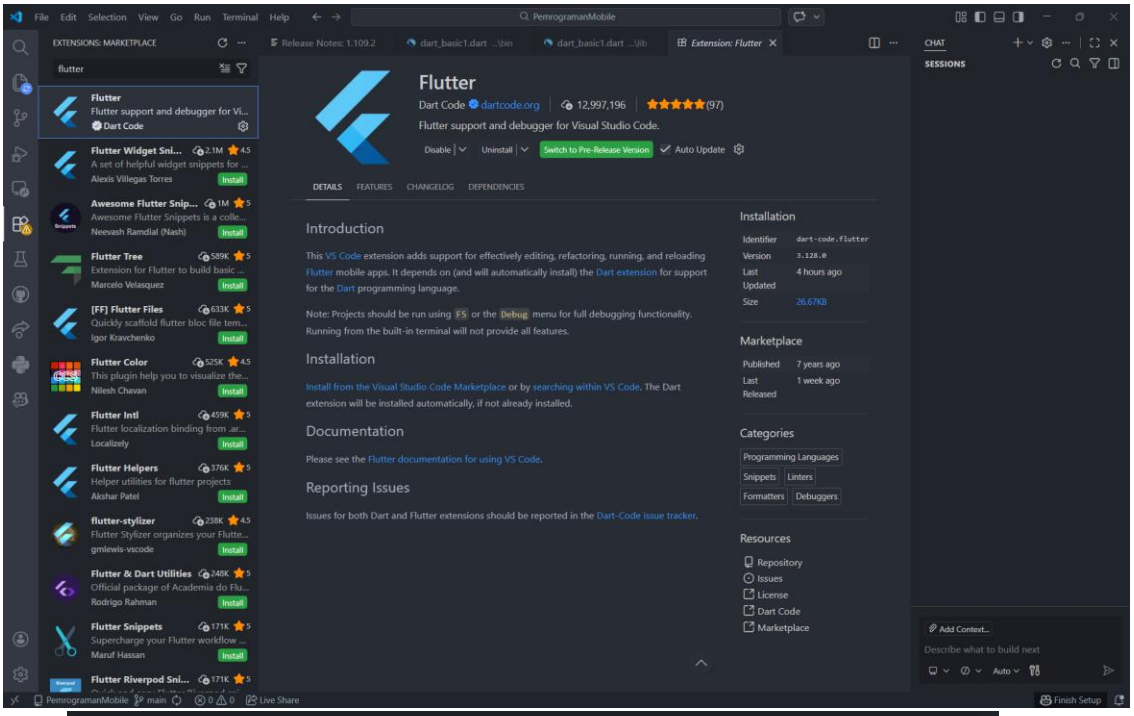


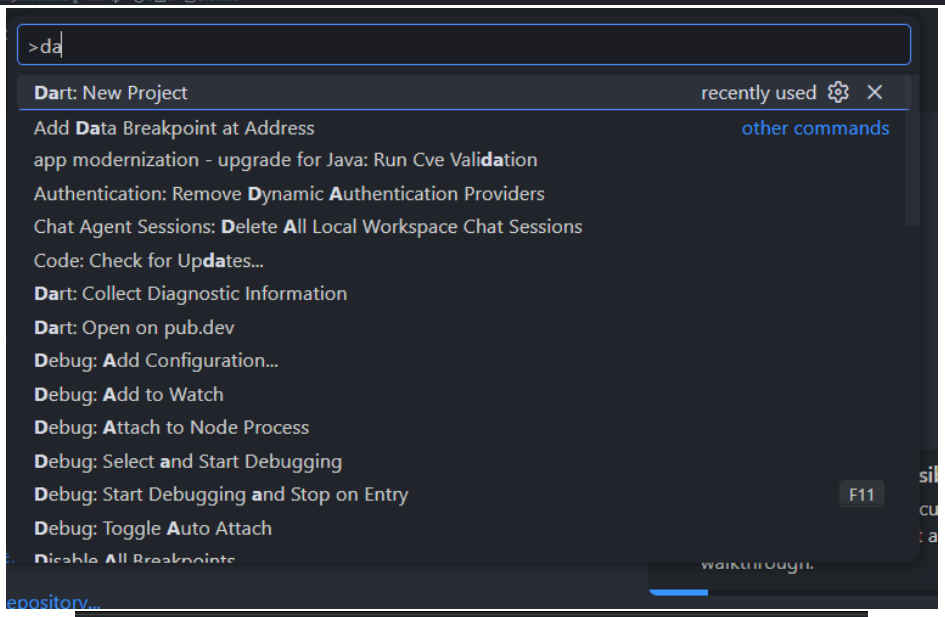

```
C:\Users\AilsaSahda>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.38.9, on Microsoft Windows [Version 10.0.26100.7623], locale en-ID)
[✓] Windows Version (11 Home Single Language 64-bit, 24H2, 2009)
[✓] Android toolchain - develop for Android devices (Android SDK version 36.1.0)
[✓] Chrome - develop for the web
[X] Visual Studio - develop Windows apps
    X 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
[✓] Connected device (3 available)
[✓] Network resources

! Doctor found issues in 1 category.
```

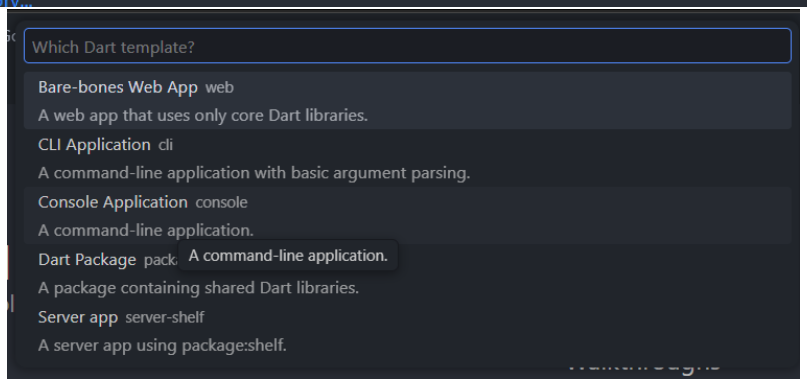
Toolchain successfull

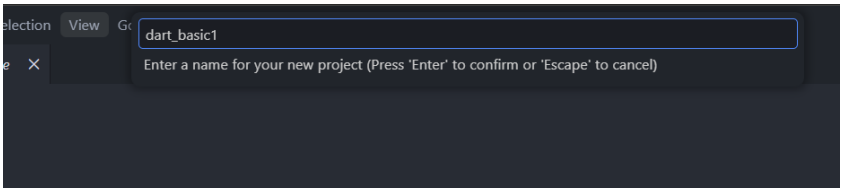
4. Visual Studio Code

- **Download Extension Flutter**









Code

dart_basic1 > bin > dart_basic1.dart > ...

```dart
//commant untuk mengimport(include)
import 'package:dart_basic1/dart_basic1.dart' as dart_basic1;

Run | Debug
void main(List<String> arguments) {
  print('Hello world: ${dart_basic1.calculate()}!');

  //tugas
  print('Triangle Area: ${dart_basic1.TriangleArea()}!');
}
```

dart_basic1 > lib > dart_basic1.dart > calculate

```dart
int calculate() {
  return 6 * 7;
}

//tugas menghitung luas segitiga
int TriangleArea() {
  int base = 13;
  int height = 20;

  return (base * height) ~/ 2;
}
```