

EXPERIMENT NO 1

NAME-Aryan Dangat

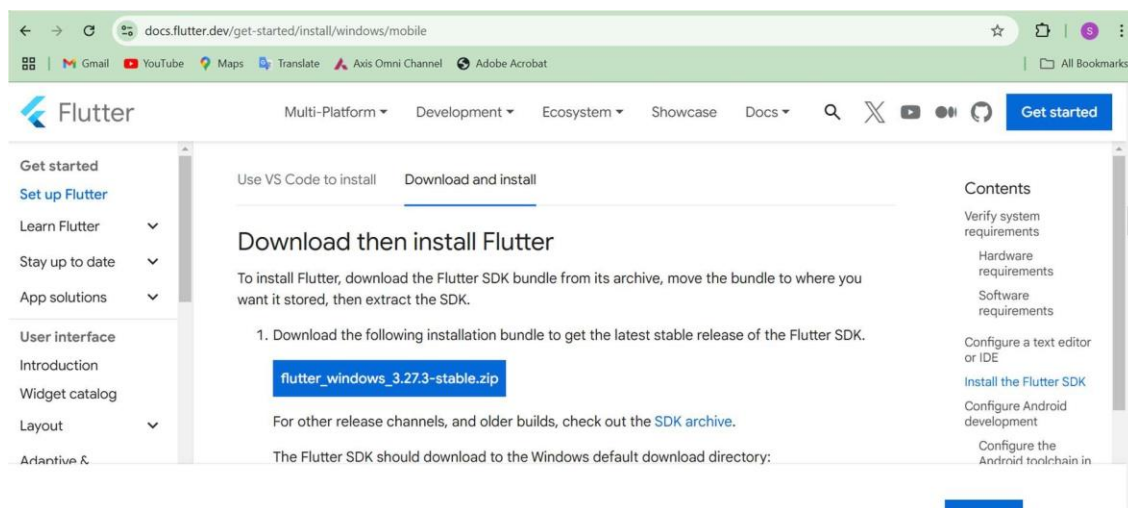
CLASS-D15A

ROLL NO -12

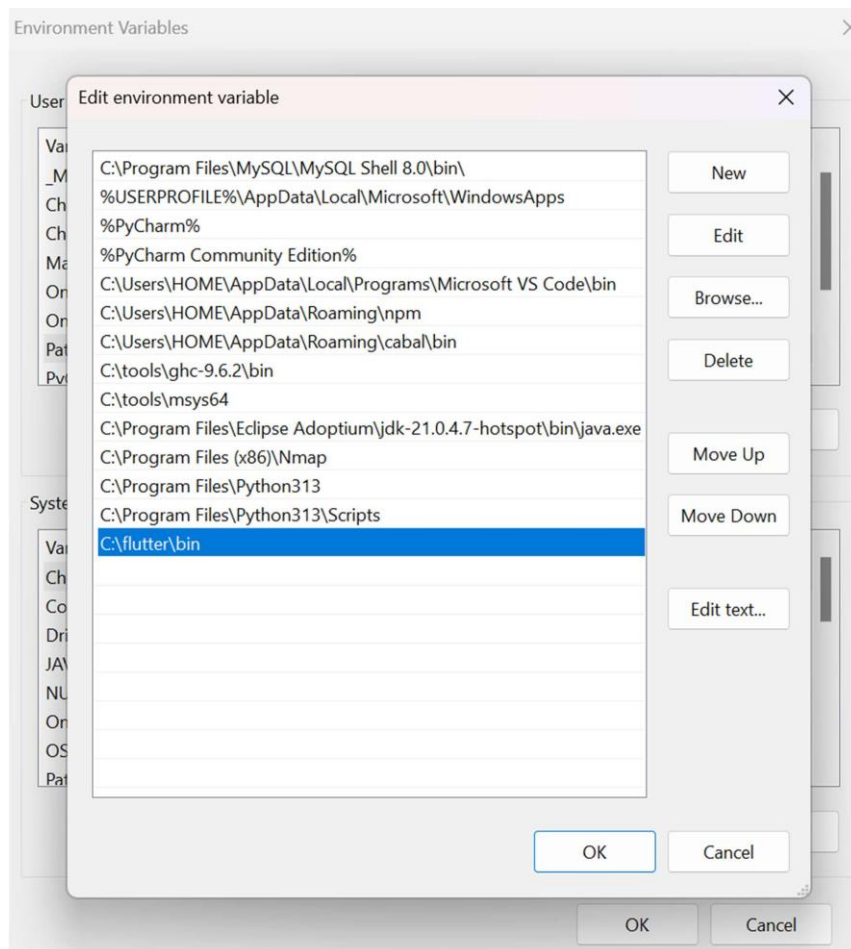
AIM: Installation and Configuration of Flutter Environment.

CODE:

Install Flutter



Setting the Environment Variable



Running Flutter command

```
C:\Users\Archit\Downloads\aryand>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]

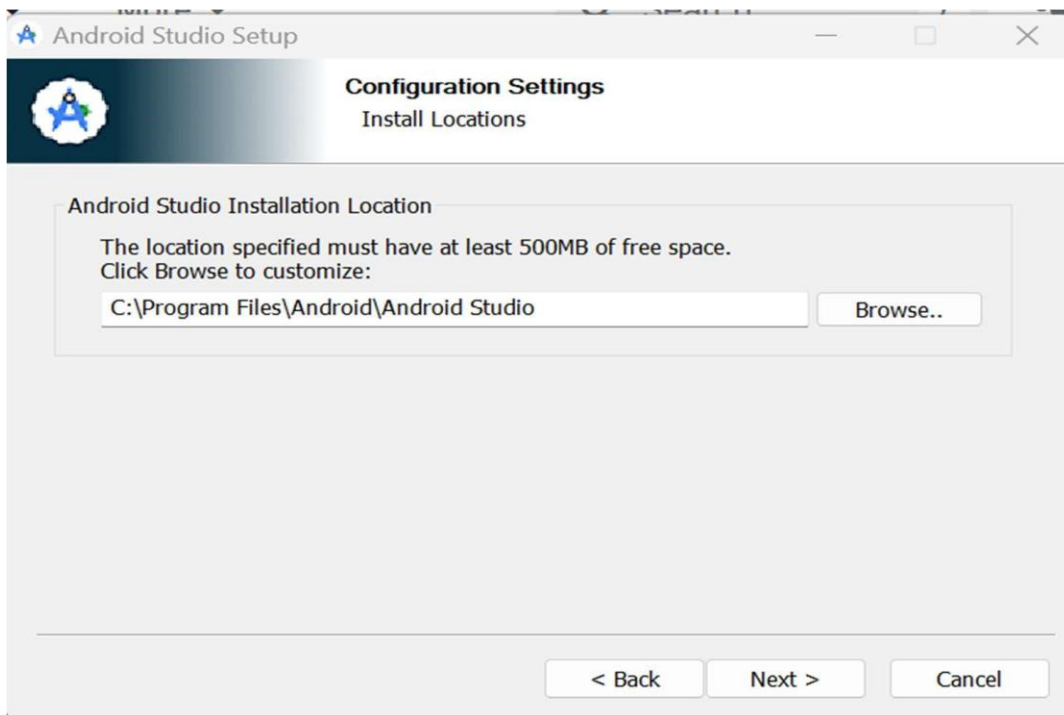
Global options:
-h, --help                Print this usage information.
-v, --verbose              Noisy logging, including all shell commands executed.
                           If used with "--help", shows hidden options. If used with "flutter doctor"
                           diagnostic information. (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, unless explicitly
                           enabled.
```

Running flutter doctor

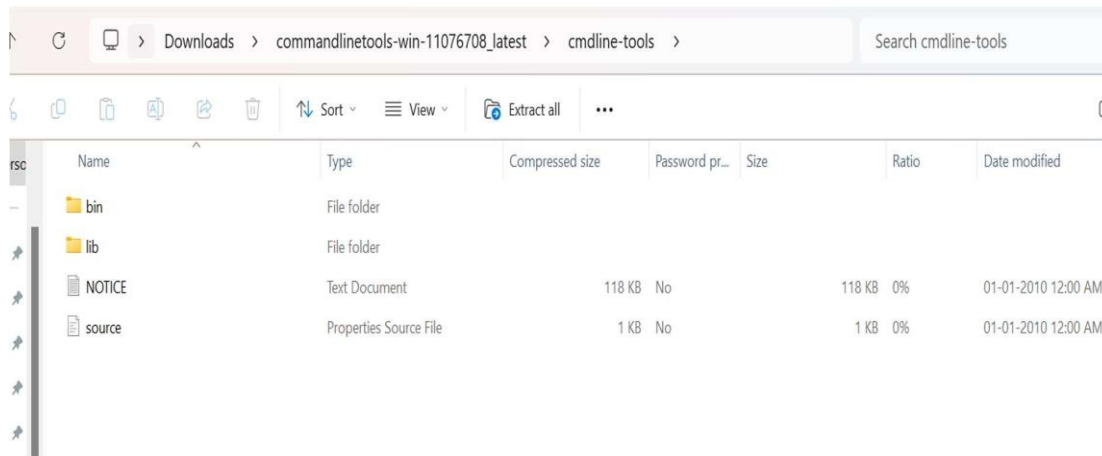
```
C:\Users\Archit\Downloads\aryand>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.27.3, on Microsoft Windows [Version 10.0.26100.2894], locale en-IN)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[X] Android toolchain - develop for Android devices
    X Unable to locate Android SDK.
      Install Android Studio from: https://developer.android.com/studio/index.html
      On first launch it will assist you in installing the Android SDK components.
      (or visit https://flutter.dev/to/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
[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
[!] Android Studio (not installed)
[✓] VS Code (version 1.96.2)
[✓] Connected device (3 available)
[✓] Network resources

! Doctor found issues in 3 categories.
```

Downloading Android SDK



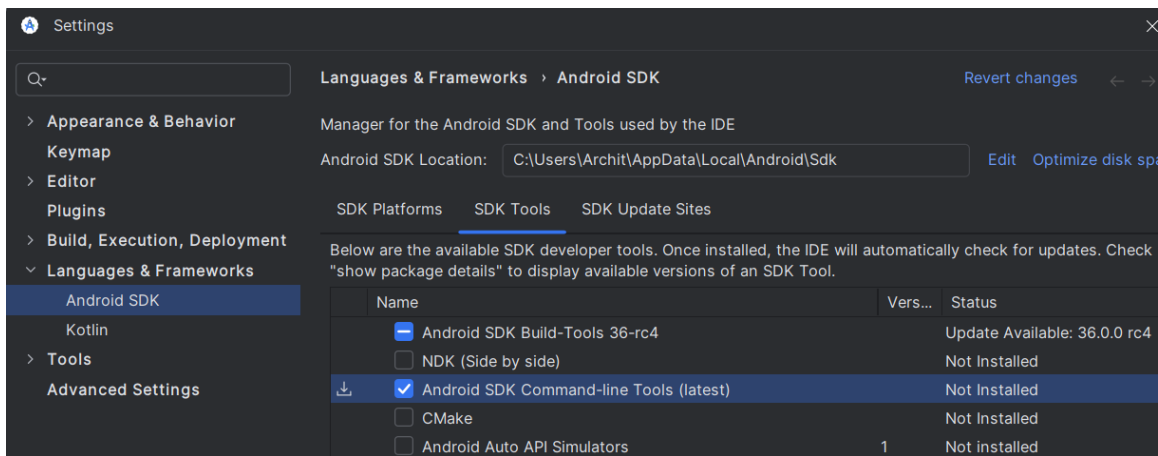
Downloaded command line tools of Android SDK



There are 2 issues according flutter doctor

```
C:\Users\Archit\Downloads\aryand>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.27.3, on Microsoft Windows [Version 10.0.26100.2894], locale en-IN)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[X] Android toolchain - develop for Android devices
    X cmdline-tools component is missing
      Run 'path/to/sdkmanager --install "cmdline-tools;latest"'
      See https://developer.android.com/studio/command-line for more details.
[✓] 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
[✓] Android Studio (version 2024.2)
[✓] VS Code (version 1.96.2)
[✓] Connected device (3 available)
[✓] Network resources

! Doctor found issues in 2 categories.
```



Downloading the command line tools

Accepted the Android licenses

```

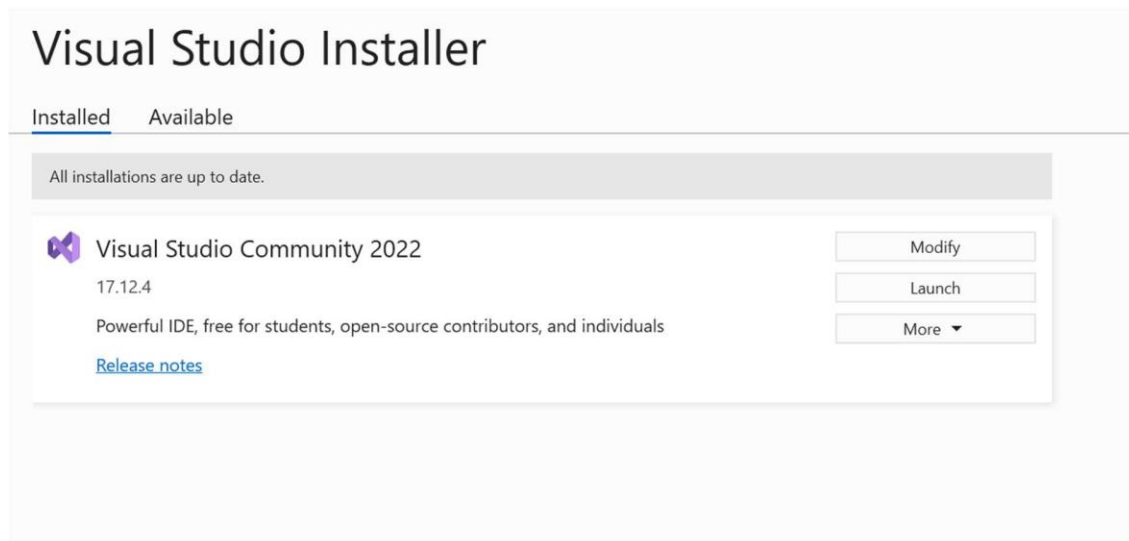
AND WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND.

10.8 Open Source Software. In the event Open Source software is included with Evaluation Software, such Open Source software is licensed pursuant to the applicable Open Source software license agreement identified in the Open Source software comments in the applicable source code file(s) and/or file header as indicated in the Evaluation Software. Additional detail may be available (where applicable) in the accompanying on-line documentation. With respect to the Open Source software, nothing in this Agreement limits any rights under, or grants rights that supersede, the terms of any applicable Open Source software license agreement.
-----
Accept? (y/N): y
All SDK package licenses accepted

C:\Users\Archit>

```

Installing visual studio



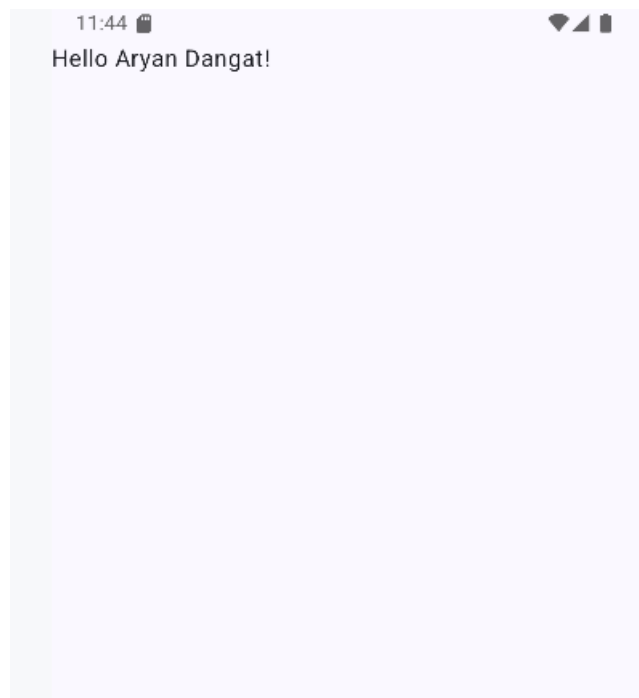
Installed Visual Studio

Successful Running of flutter doctor command

```
C:\Users\Archit>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.27.3, on Microsoft Windows [Version 10.0.26100.2894], locale en-IN)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[✓] Android toolchain - develop for Android devices (Android SDK version 35.0.1)
[✓] Chrome - develop for the web
[✓] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.12.4)
[✓] Android Studio (version 2024.2)
[✓] VS Code (version 1.96.2)
[✓] Connected device (3 available)
[✓] Network resources

• No issues found!

C:\Users\Archit>
```



```

1  package com.example.myapplication
2
3  > import ...
4
5
6
7
8
9
10
11
12
13
14
15
16  <img alt="Run icon" data-bbox="185 148 220 160"/> class MainActivity : ComponentActivity() {
17  <img alt="Annotation icon" data-bbox="205 165 220 175"/>     override fun onCreate(savedInstanceState: Bundle?) {
18         super.onCreate(savedInstanceState)
19         enableEdgeToEdge()
20         setContent {
21             MyApplicationTheme {
22                 Scaffold(modifier = Modifier.fillMaxSize()) { innerPadding ->
23                     Greeting(
24                         name = "Aryan Dangat",
25                         modifier = Modifier.padding(innerPadding)
26                     )
27                 }
28             }
29         }
30     }
31 }
32
33 @Composable
34 fun Greeting(name: String, modifier: Modifier = Modifier) {
35     Text(
36         text = "Hello $name!",
37         modifier = modifier
38     )
39 }
40
41 <img alt="Gear icon" data-bbox="185 565 200 575"/> @Preview(showBackground = true)
42 @Composable
43 <img alt="Run icon" data-bbox="195 595 210 605"/> fun GreetingPreview() {

```

src > main > java > com > example >.myapplication > MainActivity.kt

