

Experiment - 1

Name: Shivpratik Hande	Div-Roll no: D15C-14
DOP:	DOS:
Sign:	Grade:

AIM : Installation and Configuration of the Flutter Environment

Theory :

1. Install Flutter SDK:

- Visit flutter.dev.
- Download the Windows installation bundle.

2. Set Flutter Path:

- Go to **This PC > Properties > Advanced system settings > Environment Variables**.
- Under "System variables", edit Path.
- Add: C:\Flutter\bin.

3. Verify Installation:

- Run flutter doctor in CMD to check dependencies and configuration.

4. Install Android Studio (if Android SDK is missing):

- Download from developer.android.com/studio.
- Run the installer and complete the setup.

5. Set Android Emulator:

- Open Android Studio > Tools > AVD Manager > Create Virtual Device.
- Choose device > Select latest Android system image > Confirm config > Finish.
- Start the emulator by clicking the green play icon.

6. Install Flutter & Dart Plugins:

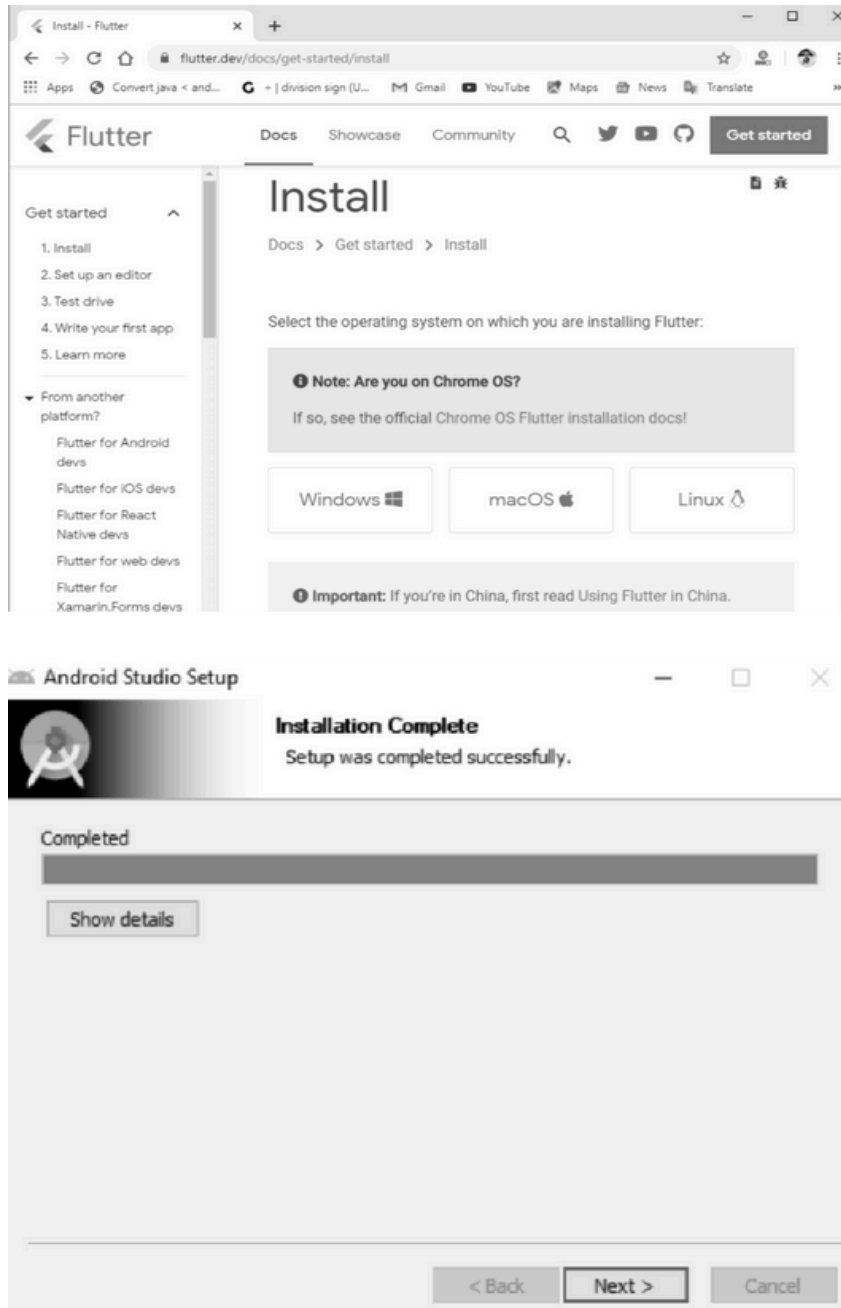
- In Android Studio: File > Settings > Plugins.
- Search & install Flutter (auto-prompts Dart plugin) and restart Android Studio.

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7. Accept Licenses:

- Run flutter doctor --android-licenses in CMD.

The screenshots below are the installation and configuration steps for Flutter & Android Studio.



Conclusion:

These are the series of steps involved in setting up and configuring Flutter for working on Windows along with Android Emulator.