

## **Practical 1:**

### **Android Studio setup for Flutter development along with Dart SDK.**

#### **Solution:**

#### **Step 1: Installing a Flutter.**

##### **i. System Requirements:**

- Assure that your system meets the minimum requirements. Flutter supports macOS, Linux, and Windows.
- On macOS, you need Xcode with the command-line tools installed.
- On Linux, you need to have git, lib32stdc++6, and other dependencies installed.

##### **ii. Download Flutter:**

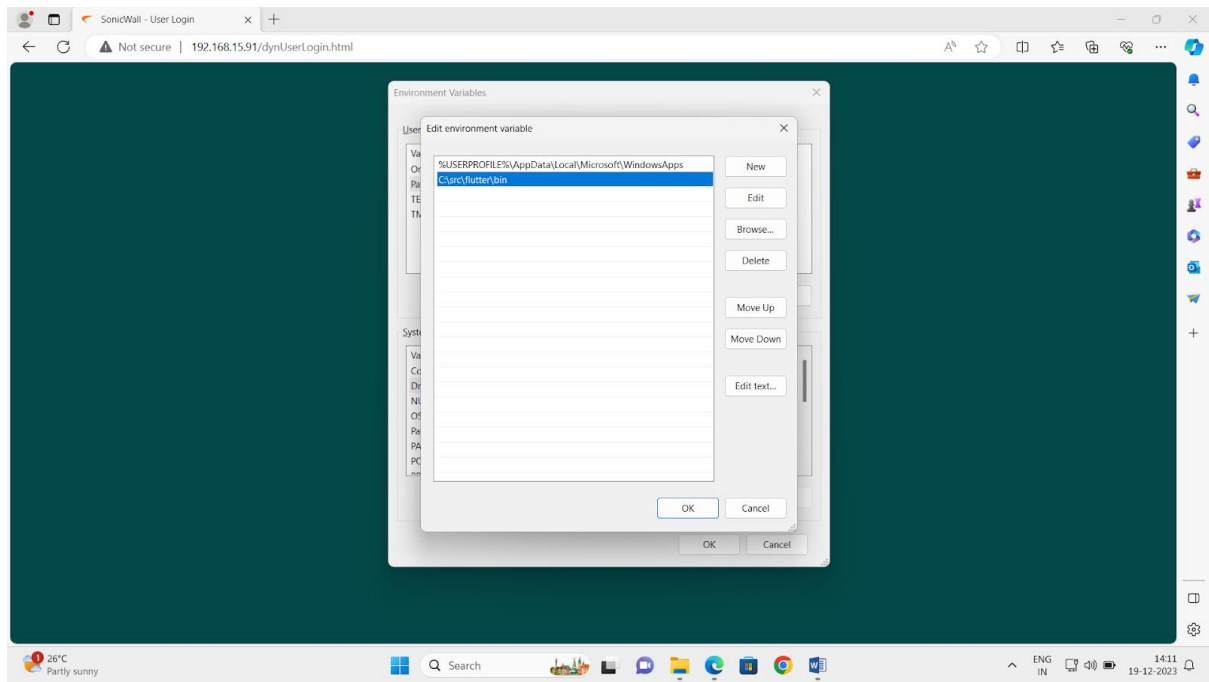
- Visit Flutter Website for Installation of Flutter -> <https://docs.flutter.dev/get-started/install>.

##### **iii. Extract Flutter:**

- If you downloaded the ZIP file, extract it to a location on your machine. (**C:\src\flutter**).

##### **iv. Set Up Environment Variables:**

- Add the **C:\src\flutter\bin** directory to your system's PATH variable.



**v. Run flutter doctor:**

- Open a terminal and run the following command: flutter doctor
- This command checks your environment and displays a report of any missing dependencies or issues.

**vi. Install Flutter Dependencies:**

- Follow the instructions provided by flutter doctor to install any missing dependencies. This may include things like Android Studio, Xcode command-line tools, etc.

**Step 2: Installing Android Studio.**

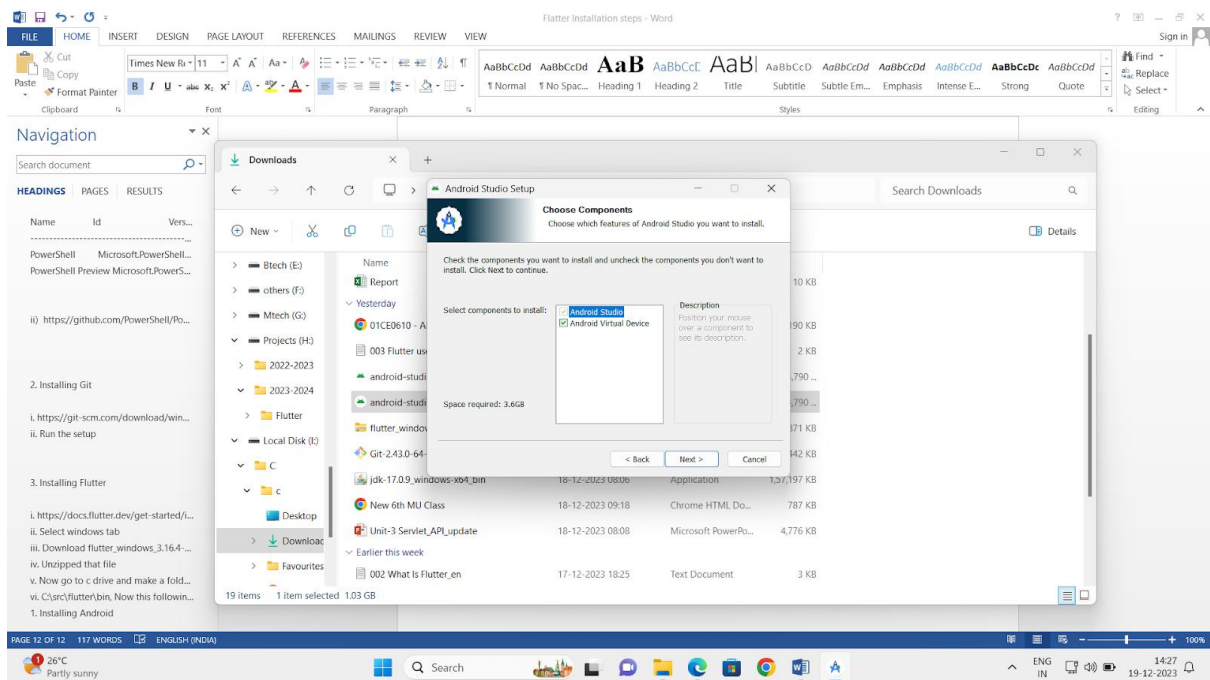
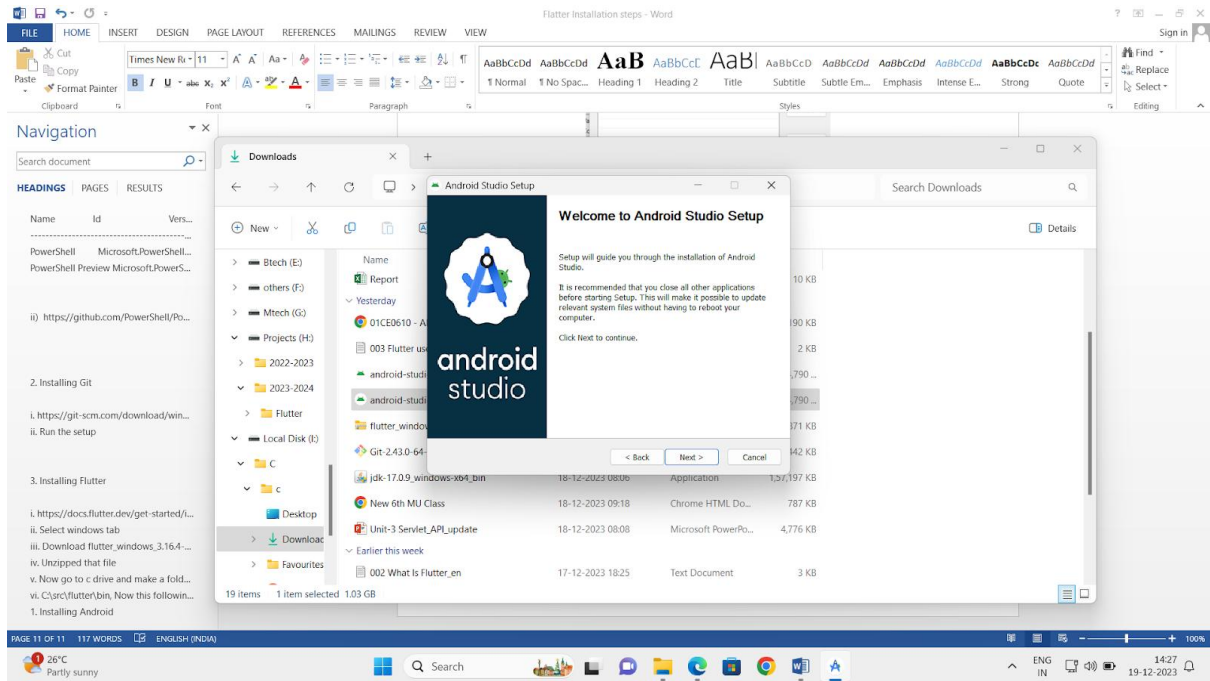
**i. Download Android Studio:**

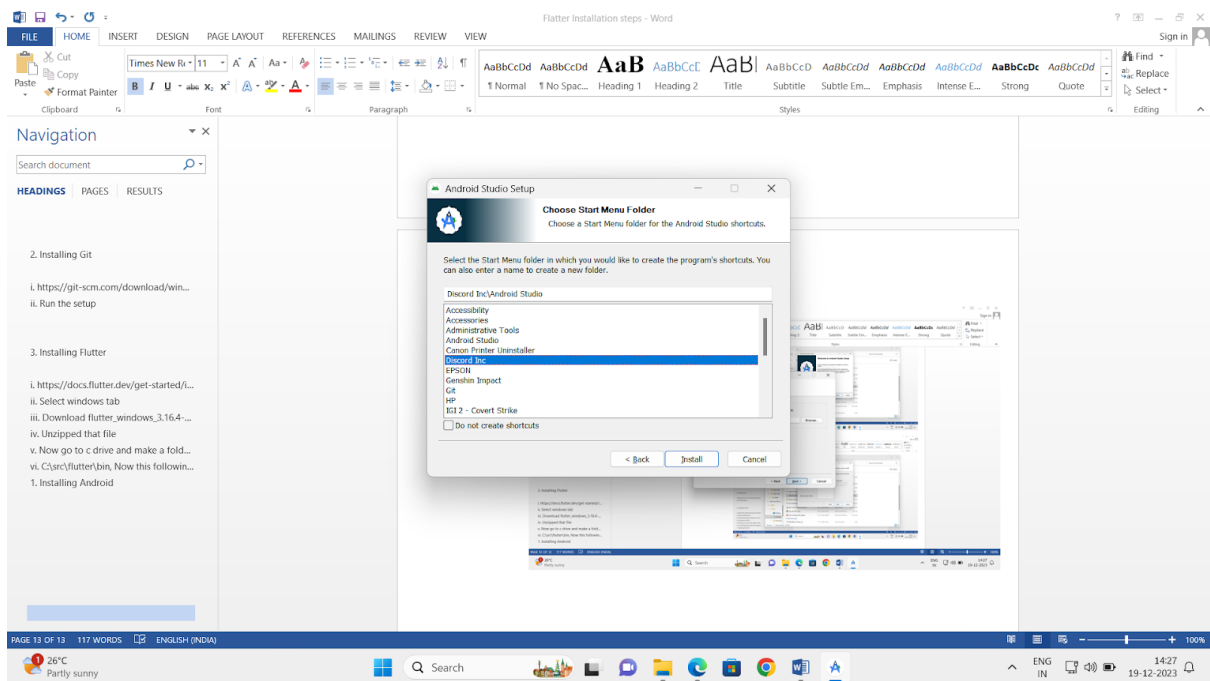
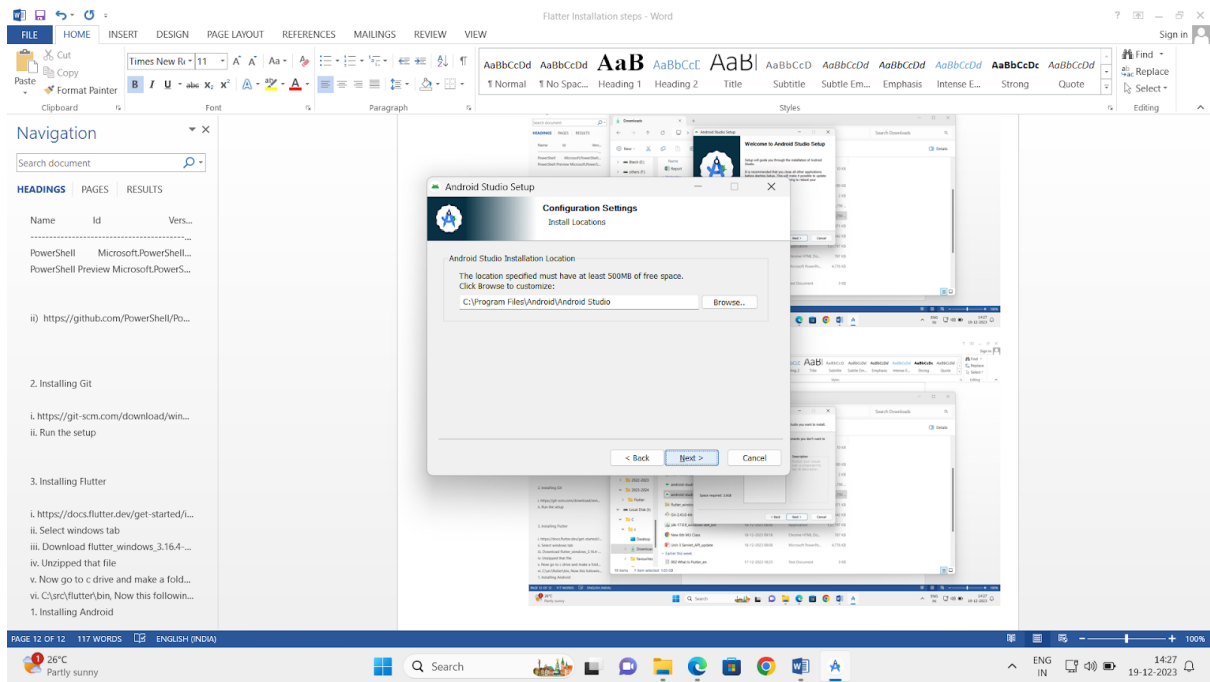
- Visit the Android Studio download page.
- Click on the "Download" button and download the Windows version.

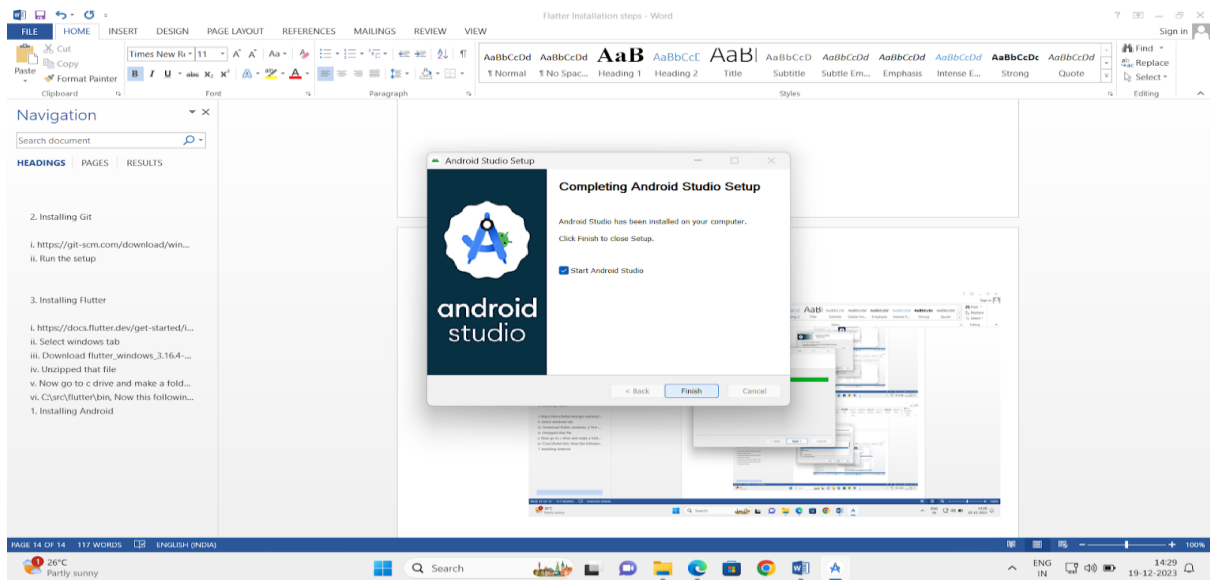
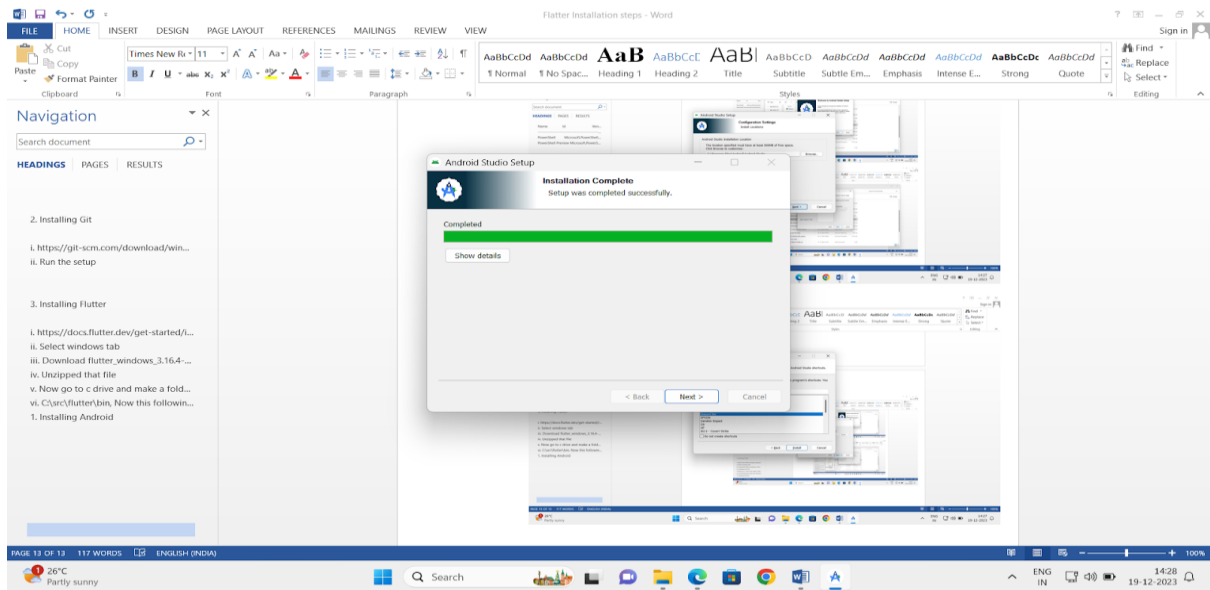
## ii. Run the Installer:

- Once the download is complete, run the installer executable (.exe) file.

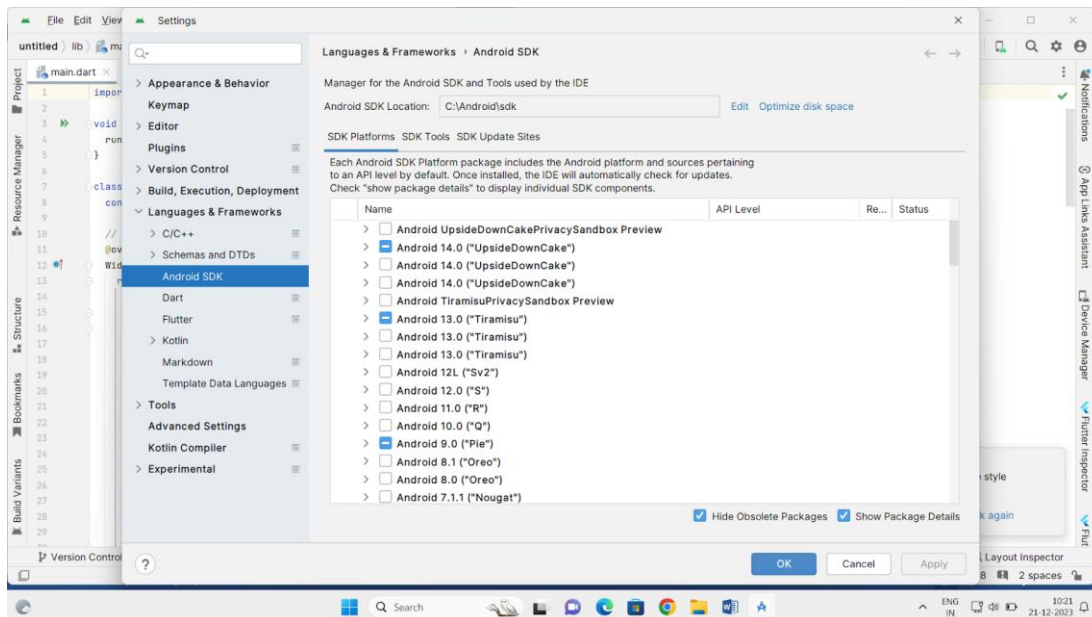
## iii. Follow Installation Wizard:



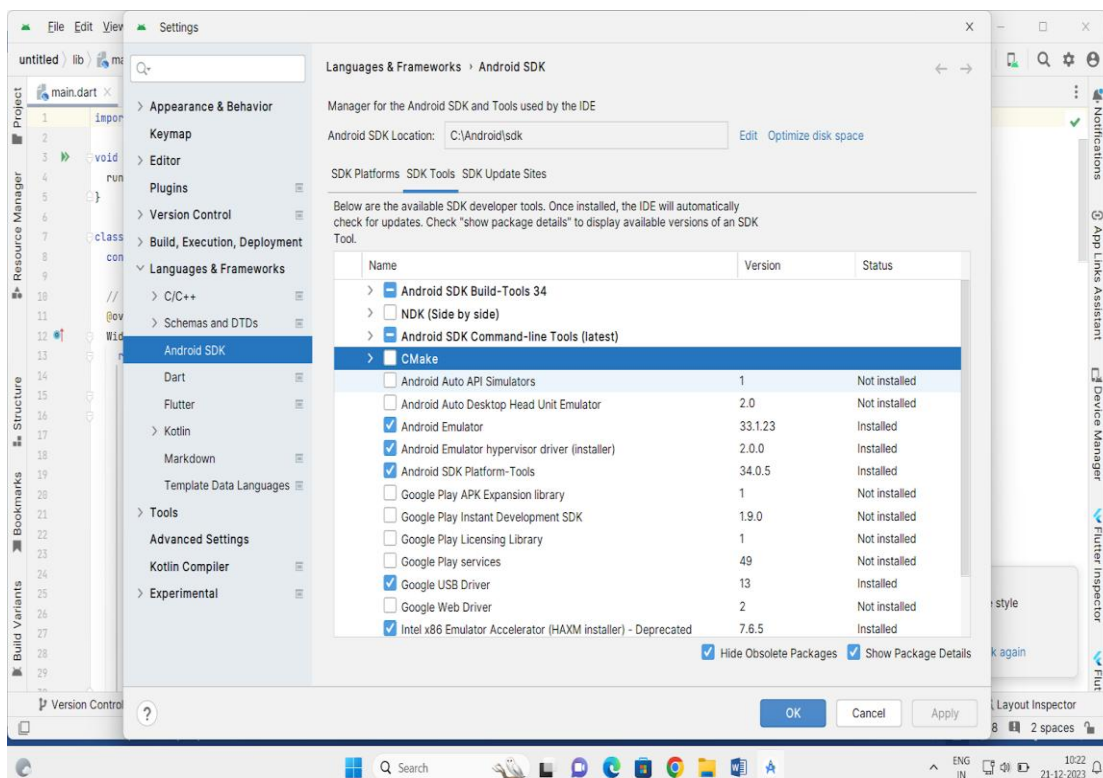




- **Android SDK Platforms:**



- **Android SDK Tools:**



**Step 3: Run Following Command for checking Flutter dependencies after installation of android.**

**iv. Accept Android Licenses**

- Flutter doctor --android-licenses to develop for Android, you need to accept the Android licenses.
- Run the following command: **flutter doctor --android-licenses**