

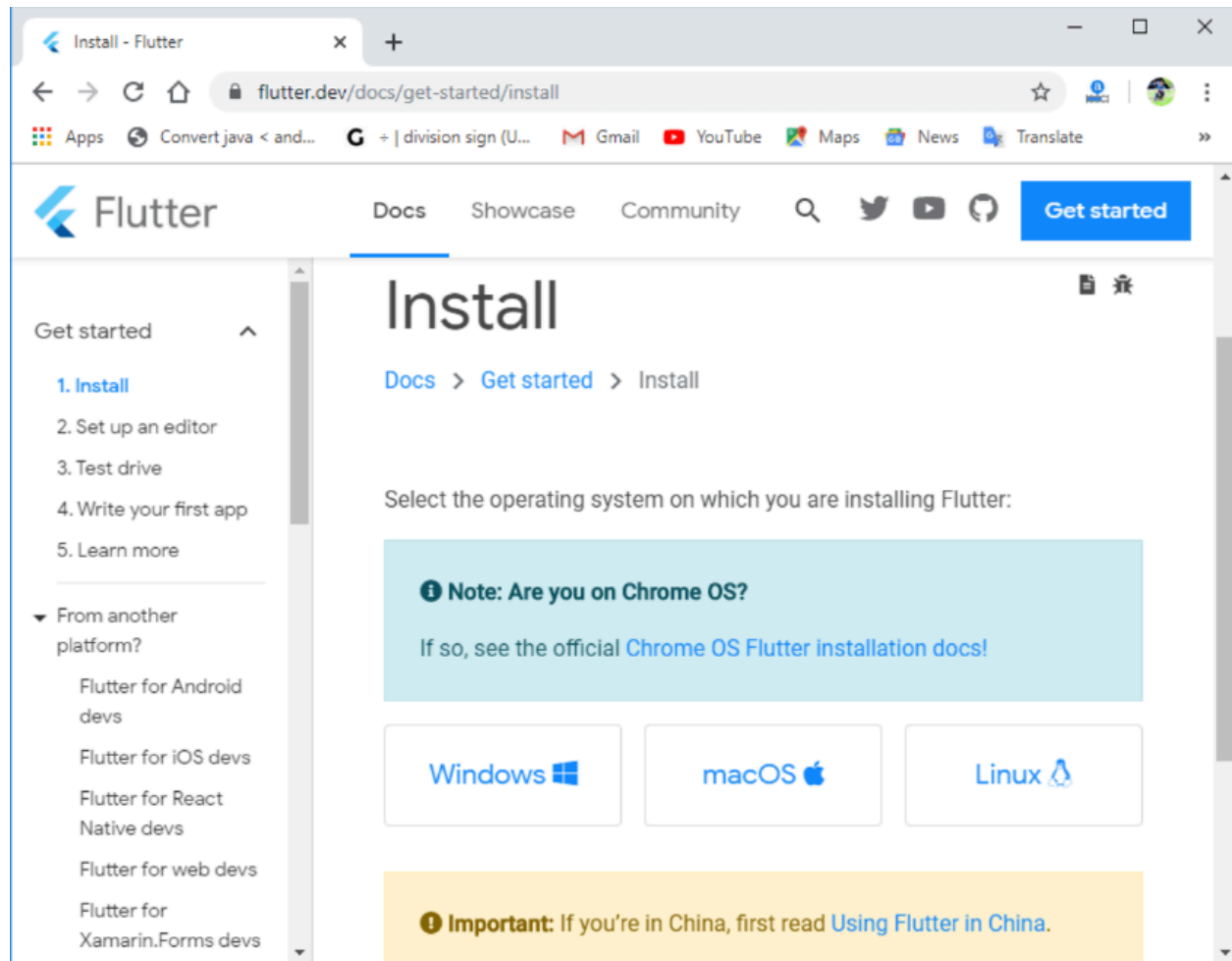
# MAD LAB EXP-1

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Div-D15A Roll-11

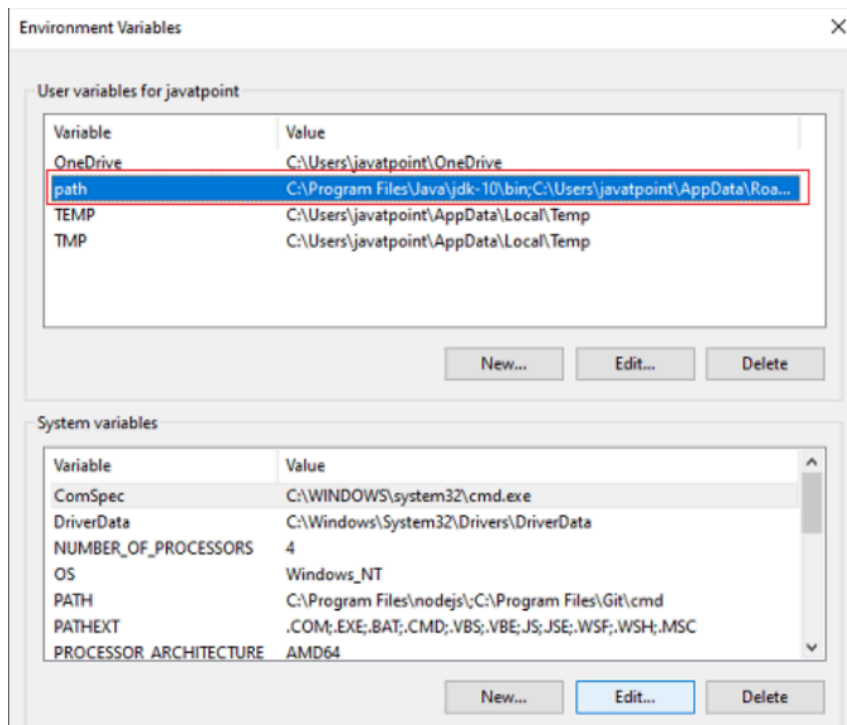
## EXP-1 Installation of Flutter

Step 1- Install the flutter SDK, download the latest Flutter SDK,



Step 2-When your download is complete, extract the zip file and place it in the desired installation folder or location, for example, C: /Flutter.

Step 3- Now edit the environment variables.



Step 4-Now, run the \$ flutter and Flutter doctor command in command prompt.

```
Microsoft Windows [Version 10.0.19042.1415]
(c) Microsoft Corporation. All rights reserved.

C:\Users\jalpa>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]

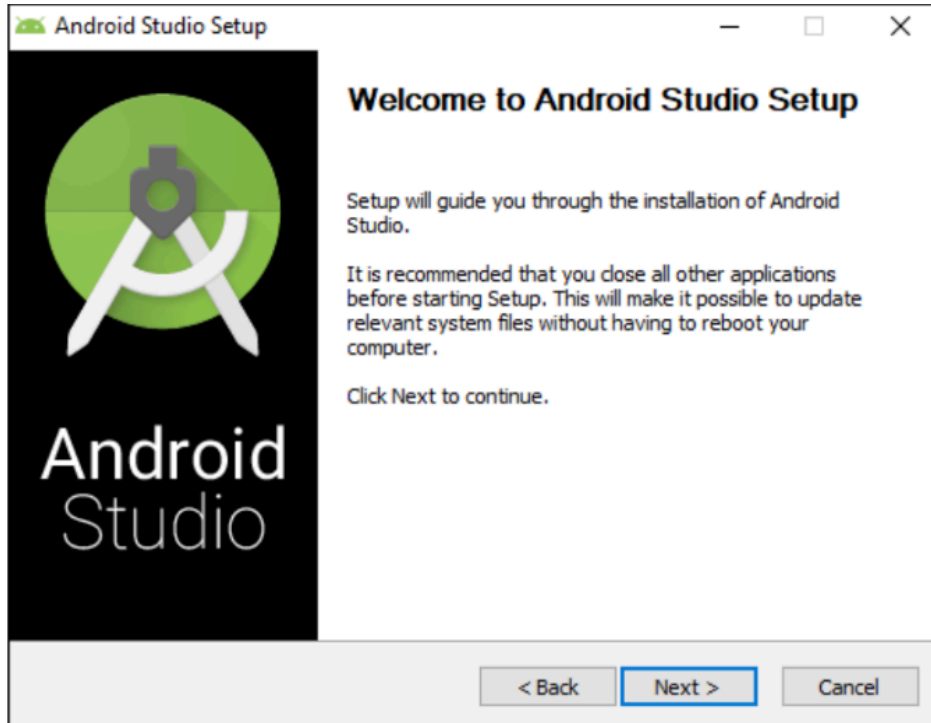
Global options:
-h, --help            Print this usage information.
-v, --verbose         Noisy logging, including all shell commands executed.
                        If used with "--help", shows hidden options. If used with "flutter doctor", shows additional
                        diagnostic information.
-d, --device-id       Target device id or name (prefixes allowed).
--version             Reports the version of this tool.
--suppress-analytics  Suppress analytics reporting when this command runs.

Available commands:

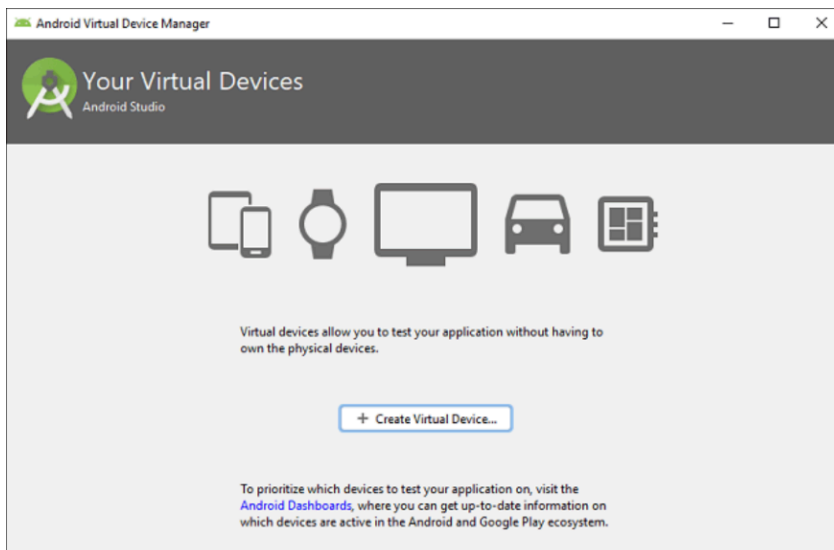
Flutter SDK
bash-completion  Output command line shell completion setup scripts.
channel          List or switch Flutter channels.
config           Configure Flutter settings.
doctor           Show information about the installed tooling.
downgrade        Downgrade Flutter to the last active version 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.
format           Format one or more Dart files.
```

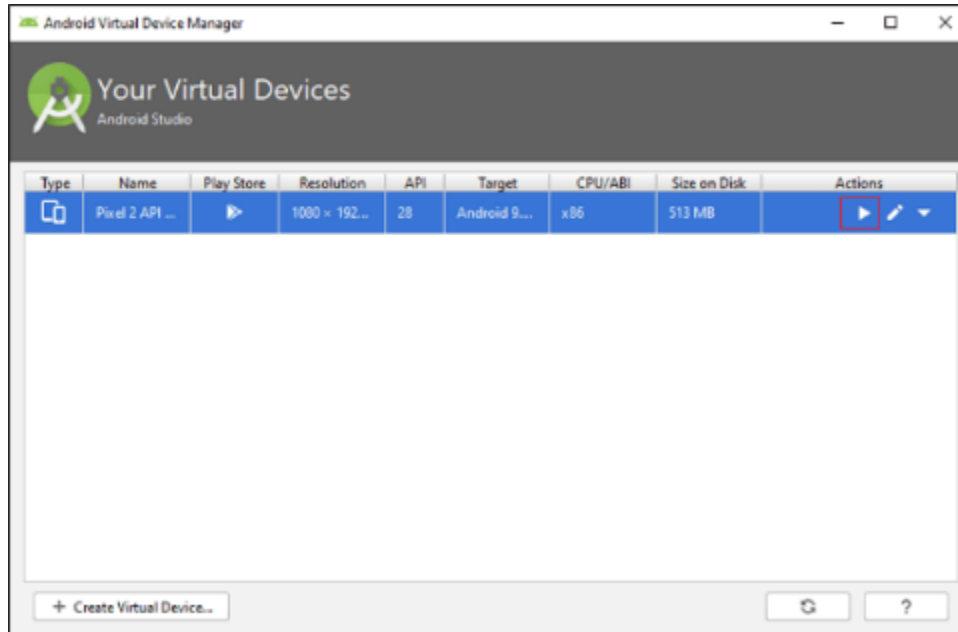
Step 5- Install the Android SDK. If the flutter doctor command does not find the Android SDK tool in your system, then you need first to install the Android Studio IDE.



Step 6- Next, you need to set up an Android emulator. It is responsible for running and testing the Flutter application.



Step 7- Select the system image for the latest Android version and click on Next. Now, verify the all AVD configuration. If it is correct, click on Finish. The following screen appears.



Step 8 - Now, install Flutter and Dart plugin for building Flutter application in Android Studio. These plugins provide a template to create a Flutter application, give an option to run and debug Flutter application in the Android Studio itself.



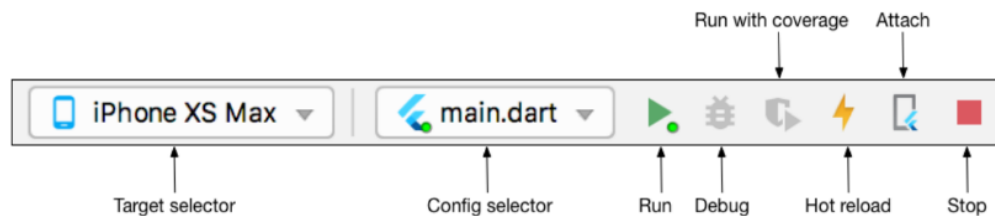
## EXP 2 - RUNNING Hello World on Flutter

### Step 1-Create the app.

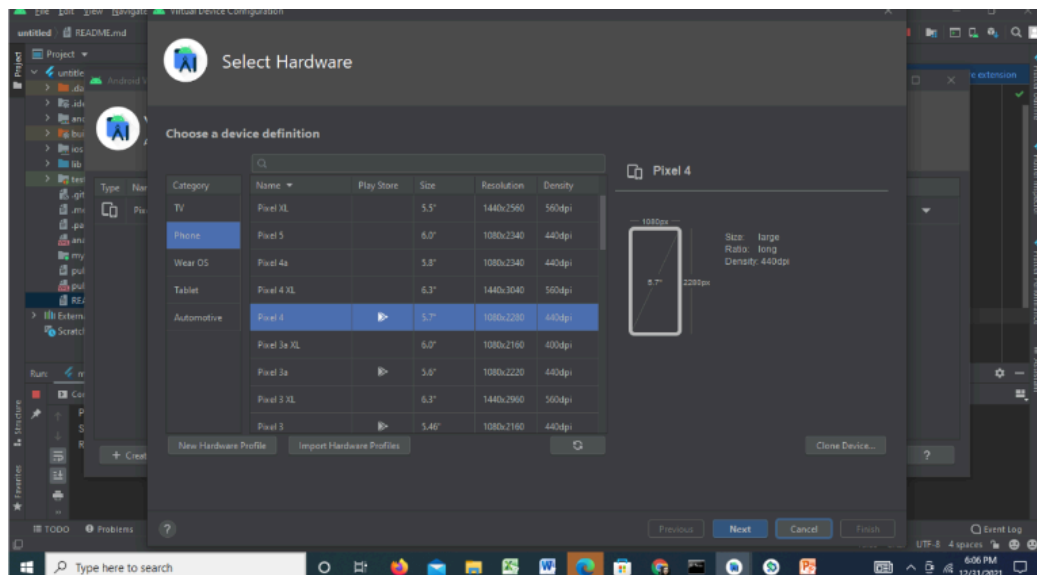
1. Open the IDE and select Create New Flutter Project.
2. Select Flutter Application as the project type. Then click Next.
3. Verify the Flutter SDK path specifies the SDK's location (select Install SDK... if the text field is blank).
4. Enter a project name (for example, myapp). Then click Next.
5. Click Finish.
6. Wait for Android Studio to install the SDK and create the project.

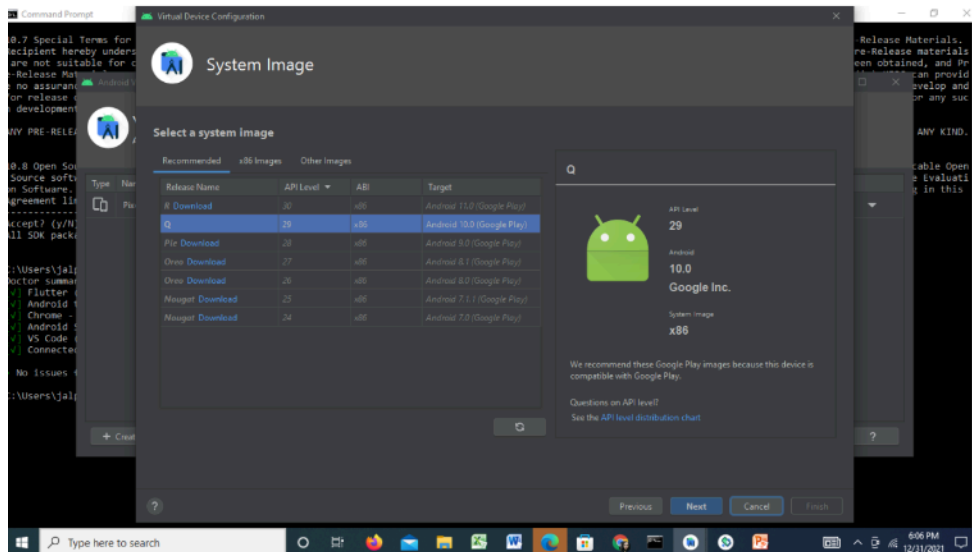
### Step 2: Run the app.

Locate the main Android Studio toolbar:



### Step 3-





Step 3 : Creating Hello world app

Code-

```
import 'package:flutter/material.dart';

void main() {
  runApp(const MyApp());
}

class MyApp extends StatelessWidget {
  const MyApp({Key? key}) : super(key: key);
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Welcome to Flutter',
      home: Scaffold(
        appBar: AppBar(
          title: const Text('Welcome to Flutter'),
        ),
        body: const Center(
          child: Text('Hello Anuj'),
        ),
      ),
    );
  }
}
```

## OUTPUT:-

