CSM3504 Lab 1

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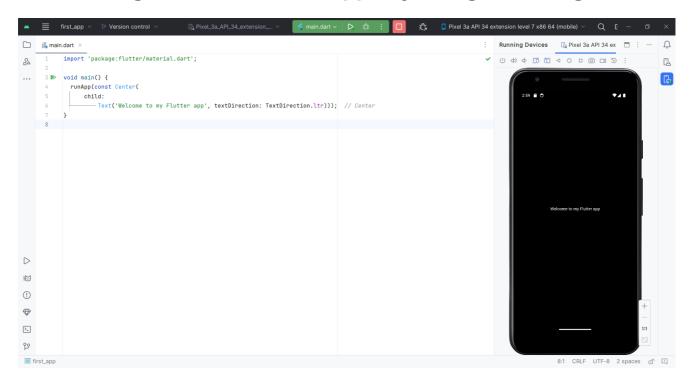
1 Flutter Basic Installation and Development

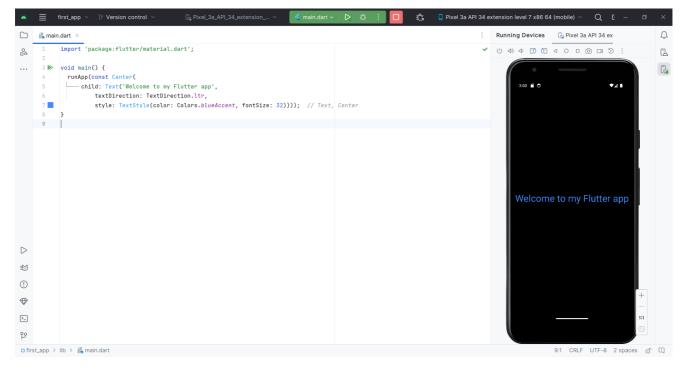
1.1 Flutter Configuration

- 1. Describe the steps-by-step process for performing the Flutter configuration?
 - 1. Download Flutter SDK from the official site.
 - 2. Add the SDK bin file to system PATH.
- 2. Describe the actions required to ensure the Flutter configuration is successfully deployed and setup on your machine.
 - 1. Run flutter doctor to check for requirements.
 - For Android SDK, due to laziness, just installing Android Studio and using it's Android SDK manager to install Command-Line Tools and Android Virtual Device (AVD) would do.
 - 2. Run flutter create app_name to verify whether the SDK is working.
 - 3. Run the app with Android Studio or Visual Studio Code with AVD to verify if everything is working well.
- 3. Write a command line to update the Android licenses when performing the health checking on the Flutter configuration.
 - flutter doctor --android-licenses
 - sdkmanager --licenses

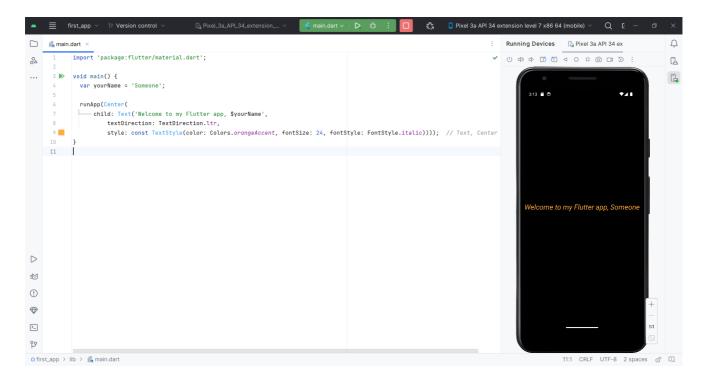
2 The First Basic Flutter Project

2.1 Creating the basic Flutter Apps by using Text widget



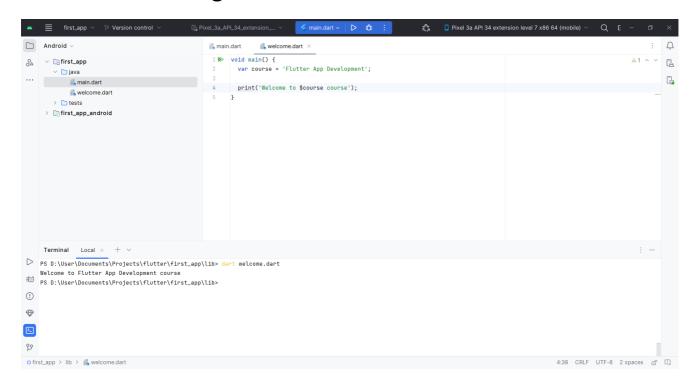


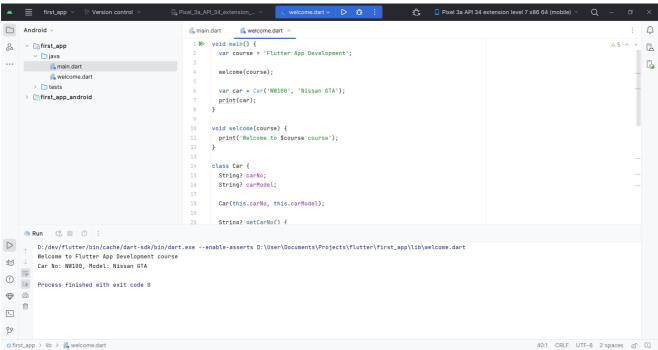
2.2 Exercise 1



3 Dart Basic Programming

3.1 Basic Dart Program

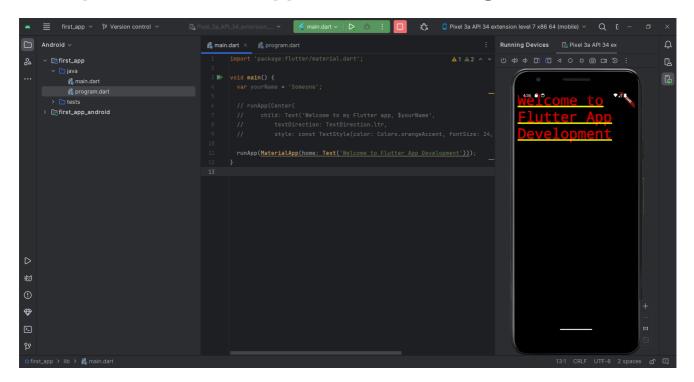


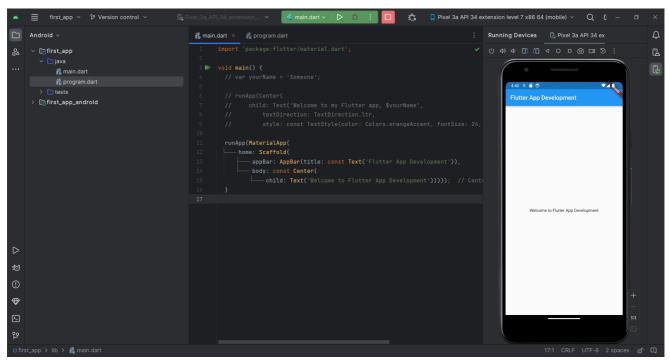


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                                                                var interestRate = 0.0;
                                                                if (yearDuration == 5) {
                                                                interestRate = 2.6;
} else if (yearDuration == 7) {
                                                                interestRate = 3.2;
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4 Using the MaterialApp and Scaffold

4.2 Implement MaterialApp and Scaffold widgets





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4.3 Exercise 2