





SMART DEVICE PROGRAMMING

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FEATURES OF ECLIPSE

- ✓ For the eclipse IDE the software update system is very simple as the developer can easily add the plug-ins that help the developer to develop the advanced version of applications.
- ✓ The dependencies are very limited in the eclipse platform as the IDE gives the facility by providing simple dialog box in which user select the software and add-ons that needed to be in eclipse platform.
- ✓ Enterprise based java tooling is supported by the eclipse platform.

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- ✓ The platform also supports JPA (Java Persistence API) tooling and JSF (JavaServer Faces) tooling, web service development and also supports to edit the XML files.
 - ✓ It is used for the modeling purpose as it can be perfect example for the modeling tool and models can be easily created in the eclipse tool.
 - ✓ The testing can be done easy using the Eclipse IDE. The debugging process can be run smoothly for finding the bugs and threats in the application.

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- ✓ The plug-ins are available for the Eclipse IDE and user can find the plug-ins in the Eclipse marketplace.
 - ✓ Facilitates simpler user experience through syntax highlighting, shortcuts, completion aid automation, etc.
 - ✓ Manage individual software component files as a part of the greater overall project.
 - ✓ Multi-Language Support
 - ✓ Allows users to modify interface and layout by personal preference.
 - ✓ Performs core functionalities without the need of immediate additional feature or add-on installations.
 - ✓ Downloads and installs updates automatically for product improvement and pace-keeping with programming language evolution.

FEATURES OF ANDROID STUDIO

1. **Layout Editor**

We can build the layout quickly by adding different attributes either by hard-code or drag and drop using the layout editor feature of the android studio.

2. **Templates**

Android also has the feature of templates built-in. Templates can be used to create common Android designs and components.

3. **Support KOTLIN**


KOTLIN can be considered the official language for Android. It runs fast and equivalent to Java.

4. Enabling Integration with Firebase

You can get real-time experience with IoT based project development with dynamic upgrades in the application using the firebase feature of an android studio.

5. Emulator

- ✓ The emulator feature of the android studio provides an emulator that is exactly like the android phones to test how the application looks like in physical devices.
- ✓ It gives real-time experience to Android applications.
- ✓ It allows you to test your applications faster and on different-different configuration devices like tablets, android phones, etc. Basically it helps to run and debug apps in the Android studio.



6. Android studio helps to see the code XML part in a preview to know that how perfectly we are designing the application according to the need before launching the application. It provides powerful functionality and enhanced features of drag and drops or resizes the application.

7. Help to Build Up App for All Devices

Android studio builds applications for every screen size, for wear and gear devices etc. It also can stimulate the various type of features which a hardware has like GPS location tracker, multi-touch.



8. Intelligence Code Editor

Android Studio provides you with the intelligent and quick code editor. This will help you and guide you with the accurate code. It helps you to complete code in advance and analyze your code in advance before building. Android studio has the special feature of the development of code by the drop-down list with suggesting the code you can integrate.