



SNS COLLEGE OF TECHNOLOGY



(AN AUTONOMOUS INSTITUTION)

COIMBATORE – 35

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

UNIT 1

GETTING STARTED WITH MOBILITY

Syllabus:

Mobility landscape, Mobile platforms, Mobile apps development, Overview of Android platform, setting up the mobile app development environment along with an emulator, a case study on Mobile app development.

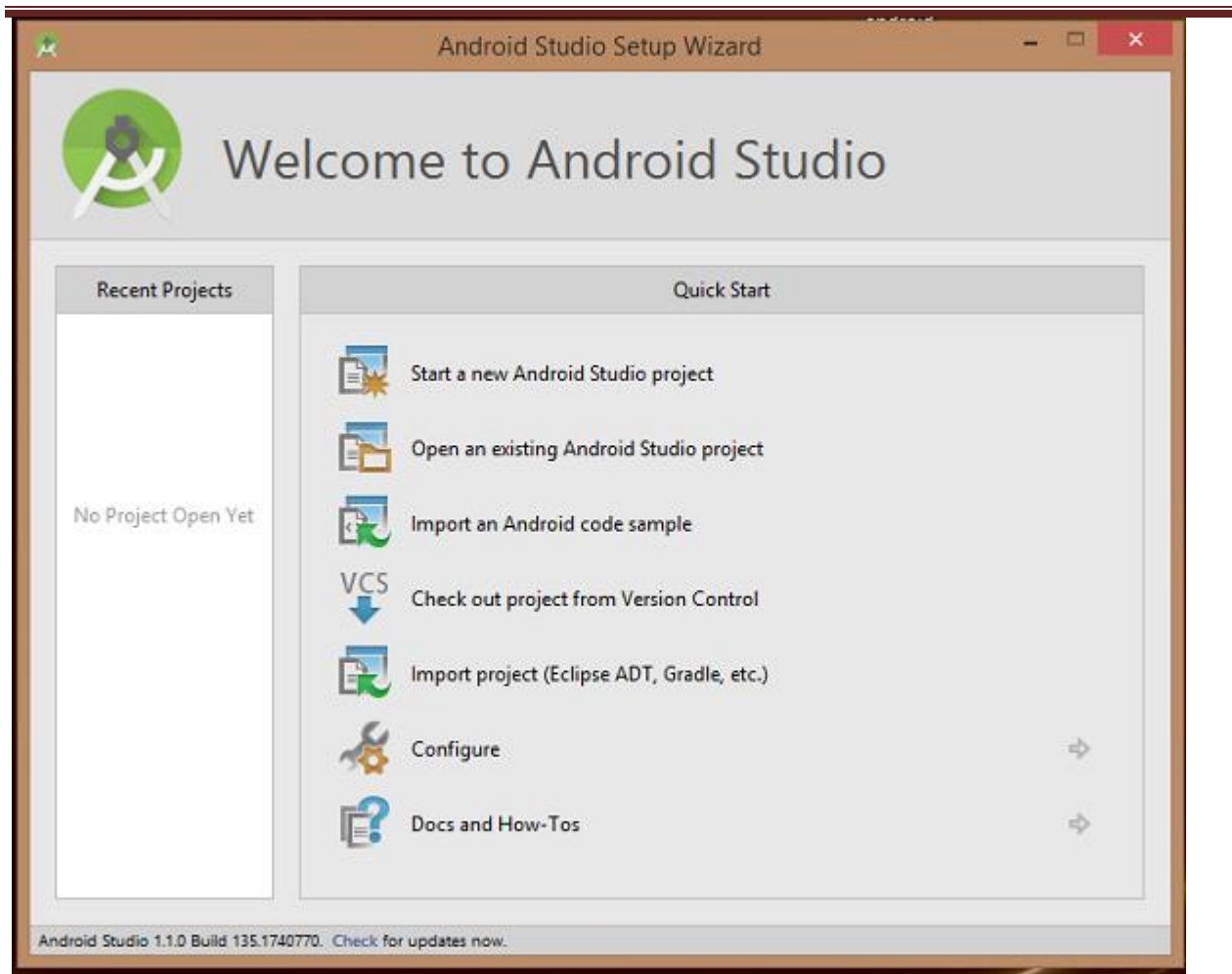
Saying hello to android

simple Android Application which will print "Hello World!".

Create Android Application

The first step is to create a simple Android Application using Android studio. When you click on Android studio icon, it will show screen as shown below

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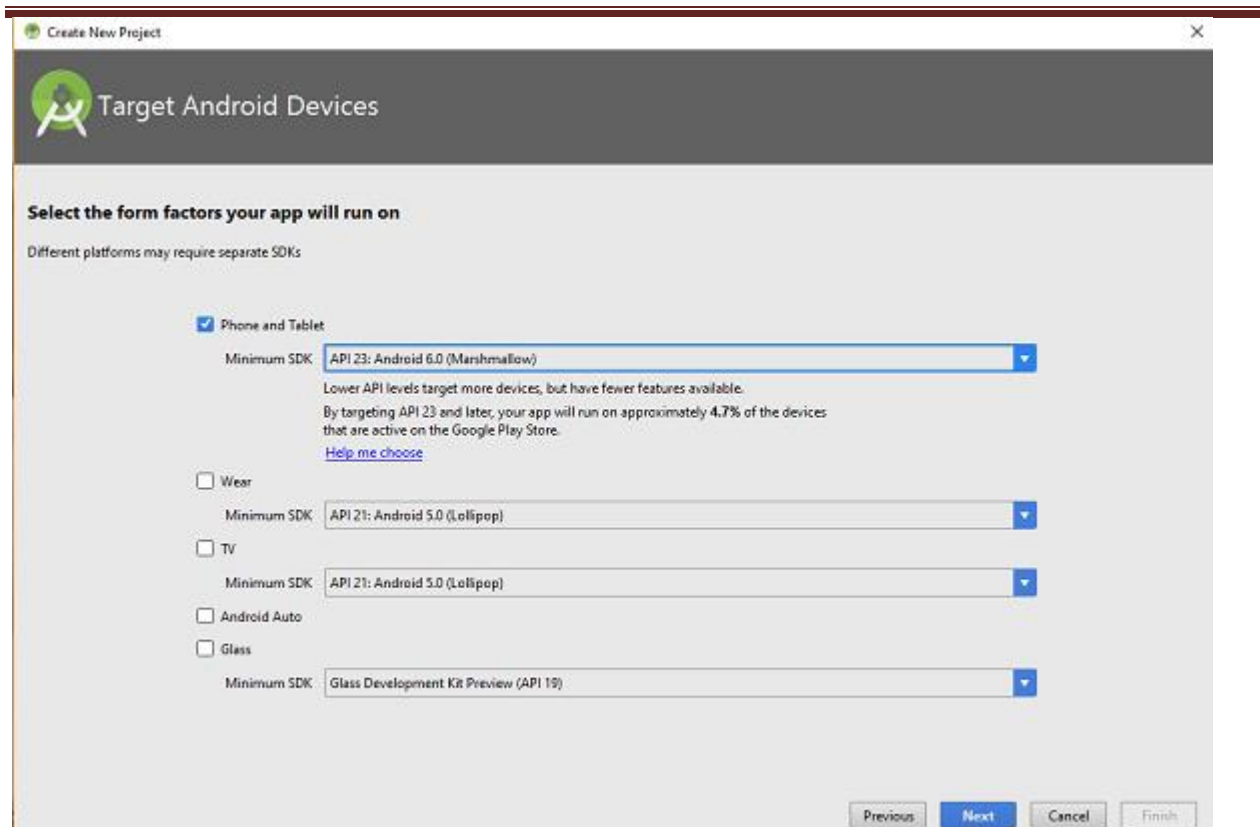
You can start your application development by calling start a new android studio project. in a new installation frame should ask Application name, package information and location of the project.–

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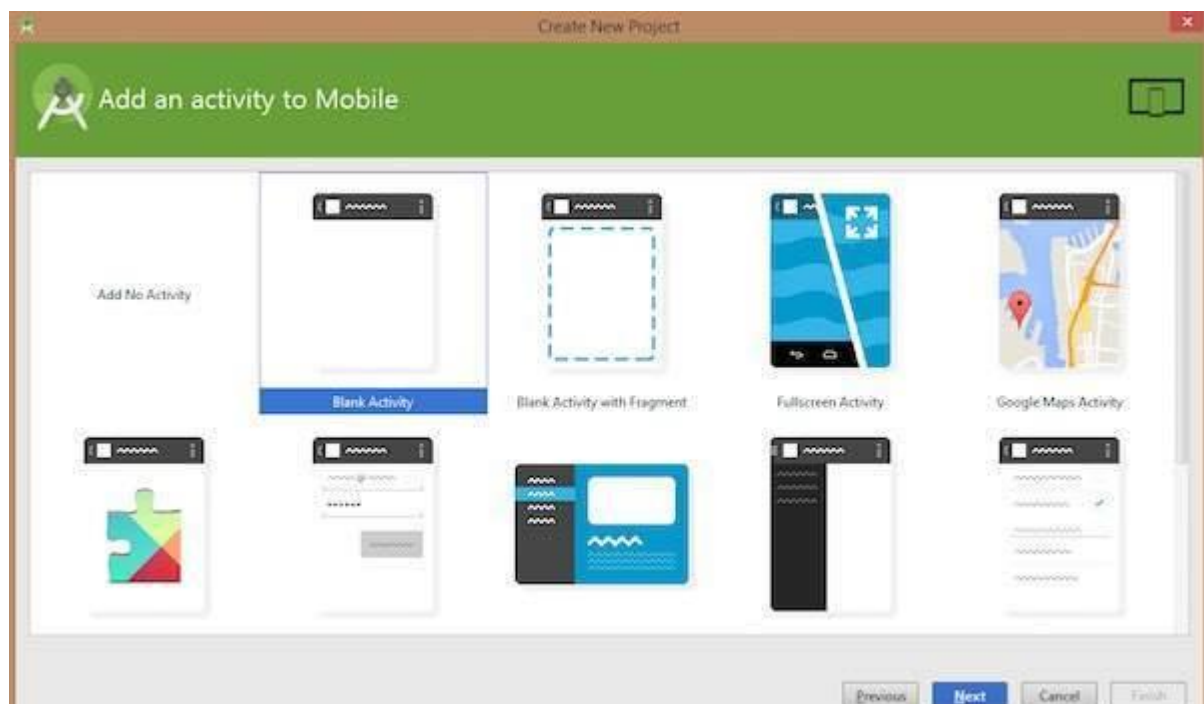
The screenshot shows the 'Create New Project' dialog in Android Studio. The dialog has a green header with the Android Studio logo and the text 'New Project' and 'Android Studio'. Below the header, the title 'Configure your new project' is displayed. There are four input fields: 'Application name' (empty), 'Company Domain' (saira_000.example.com), 'Package name' (com.example.saira_000), and 'Project location' (C:\Users\saira_000\AndroidStudioProjects). At the bottom right, there are four buttons: 'Previous', 'Next', 'Cancel', and 'Finish'. At the bottom left, there is a red error message: 'Please enter an application name (shown in launcher)'.

After entered application name, it going to be called select the form factors your application runs on, here need to specify Minimum SDK, in our tutorial, I have declared as API23: Android 6.0(Mashmallow) –

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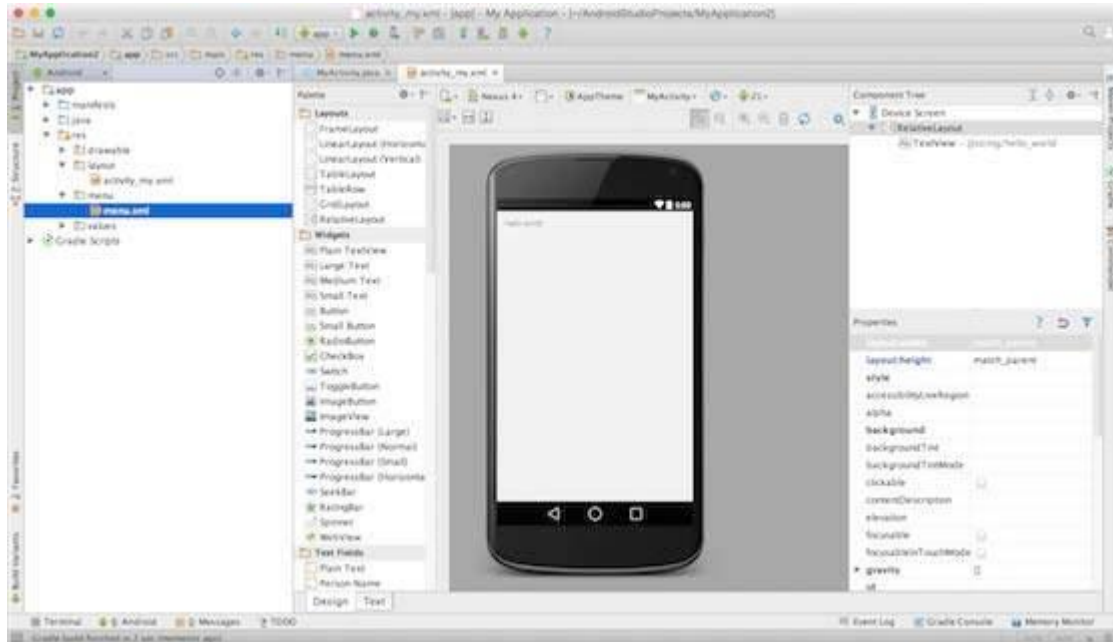


The next level of installation should contain selecting the activity to mobile, it specifies the default layout for Applications.



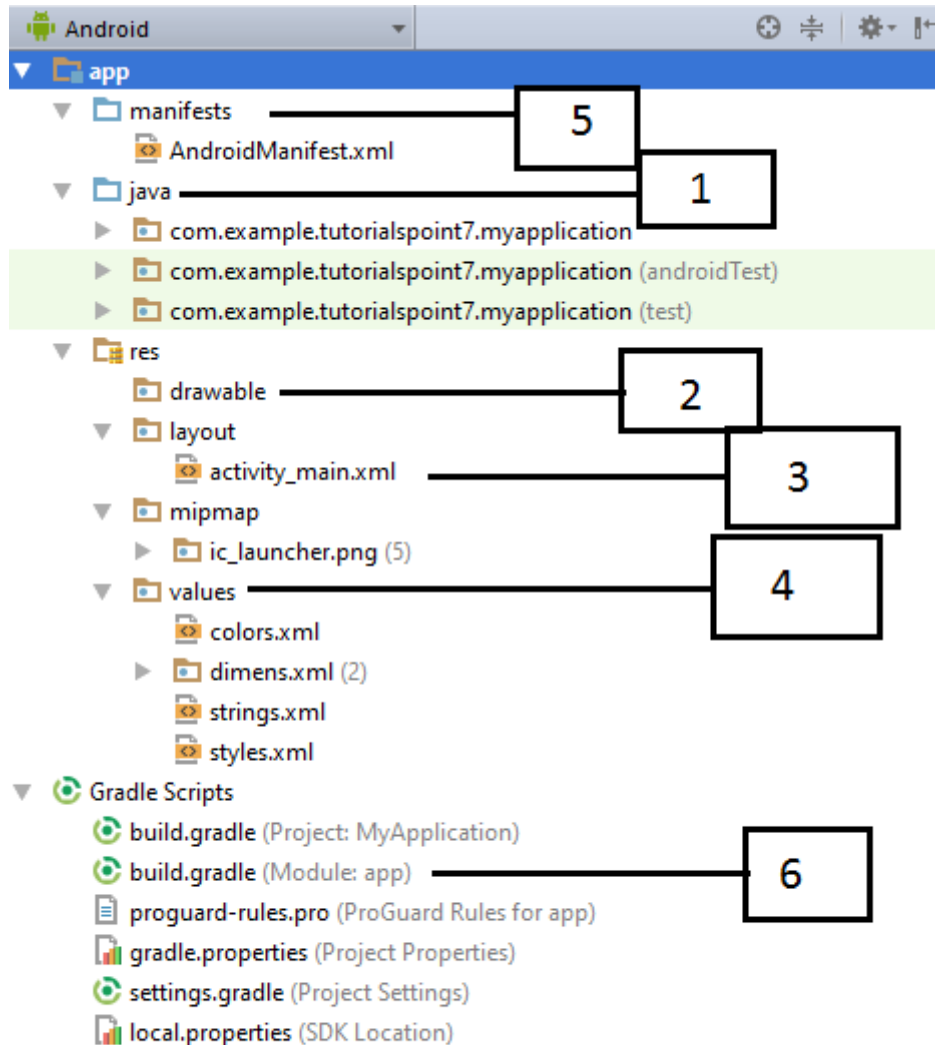
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At the final stage it going to be open development tool to write the application code.




Anatomy of Android Application

Before you run your app, you should be aware of a few directories and files in the Android project –



Running the Application

Try to run the **Hello World!** application just created. Then create **AVD** while doing environment set-up. To run the app from Android studio, open one of your project's activity files and click Run  icon from the tool bar. Android studio installs the app on AVD and starts it and if everything is fine with the set-up and application, it will display the Emulator window