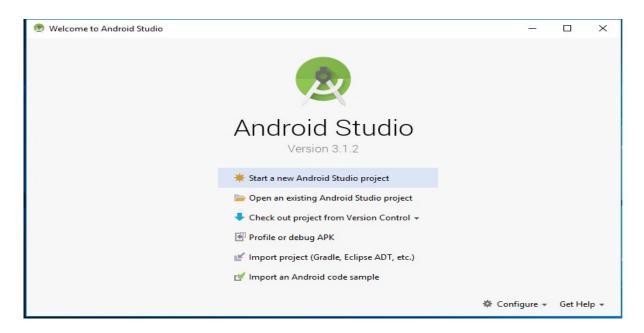


First Android Application

Agenda:

In this lab we are going to add a button and a text component in app. By clicking the button, the text will show up.

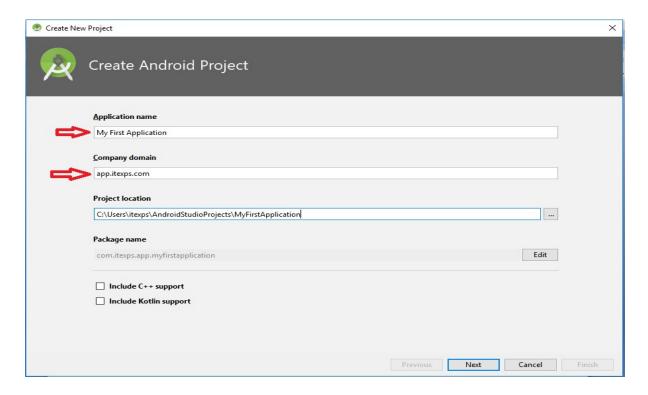
- 1- Run Android Studio in your computer.
- 2- Start a new Android Studio Project.



3- Name the project "My First Application" and Company domain="app.itexps.com"



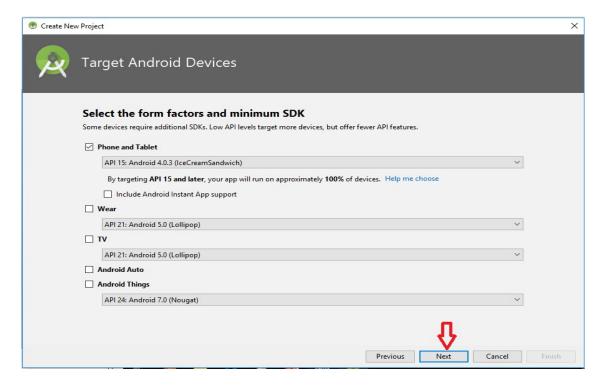
First Android Application



4- Click the "Next" button



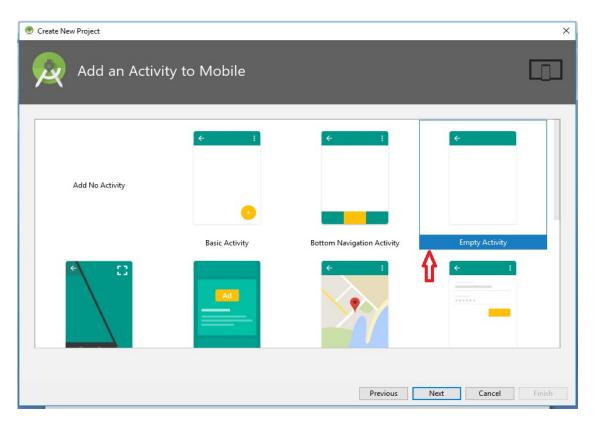
First Android Application



5- Select the "Empty Activity" for the project.



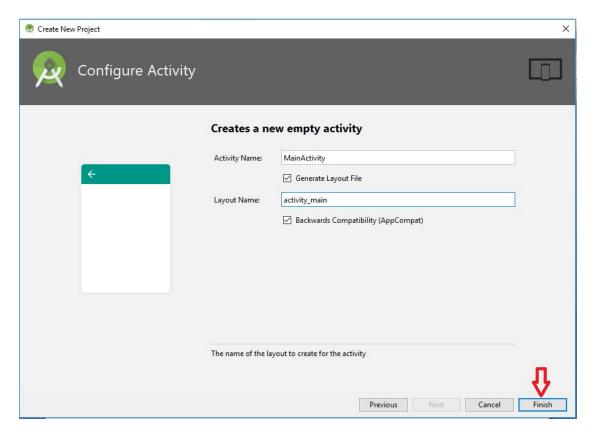
First Android Application



6- Click the "Finish" button



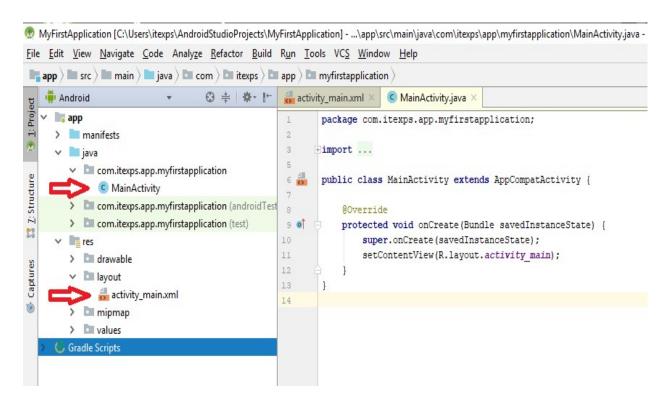
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7- Android Studio project will be opened and the project structure will be like bellow:



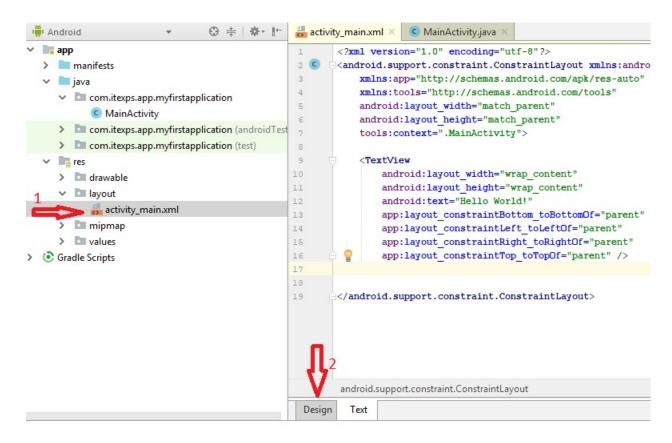
First Android Application



8- Click the "activity_main.xml" in left pane (navigation bar) and go to" Design" tab



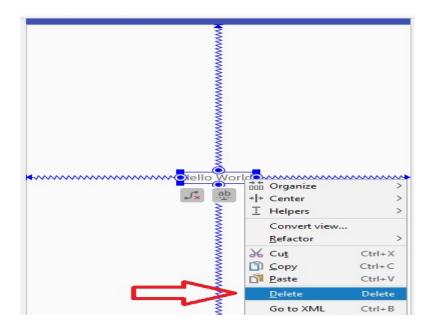
First Android Application



9- Right click on the "HeloWorld" component if it is there and delete that.



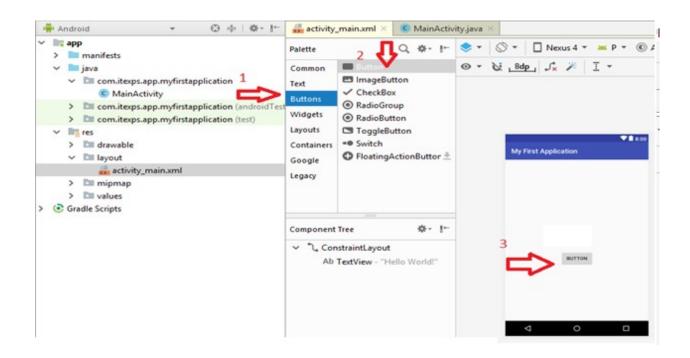
First Android Application



10-In Design page, click the "Buttons" from Palette pane, drag a "Button" and drop it in your page in right side pane.



First Android Application



11- Click on the button and change attributes:

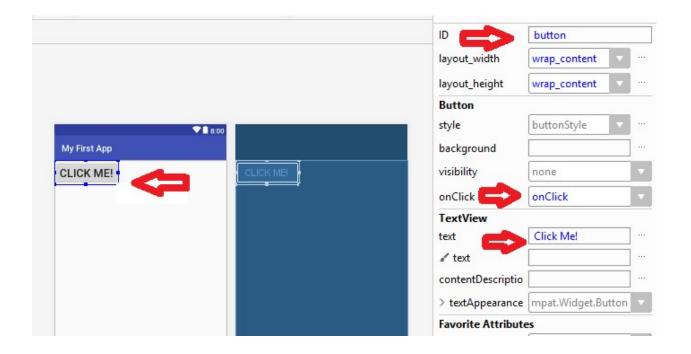
ID=button

OnClick=onClick

We are going to refer to this component later in code by its ID. Make sure if you change the ID in attribute window, your code needs to be changed.



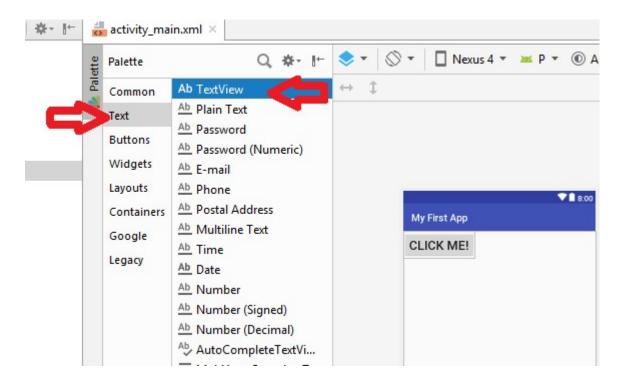
First Android Application



12-Add a "TextView" component.



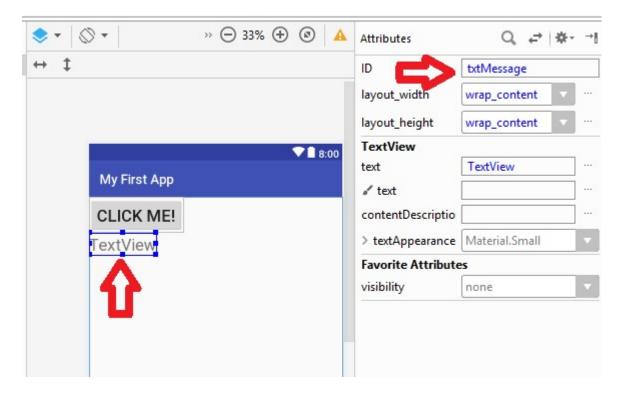
First Android Application



13-Click the textbox and change attributes. ID= txtMessage



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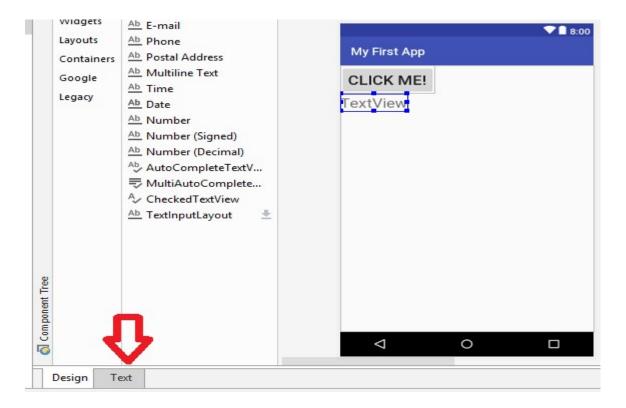


14- You can change the font size for button component and "TextView" component.

To do that go to "Text"



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15-Add bellow line of code to components.

android:textSize="25dp"



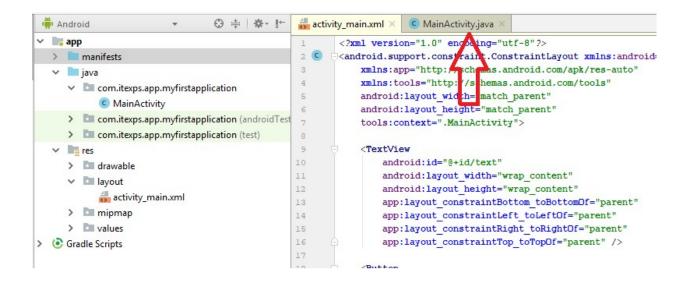
First Android Application



- 16-Now you have a textbox and a button in your app.
- 17-Click the "MainActivity.java" to change the code.



First Android Application



18-In main activity, Create a method name it 0nClick .and add this code.

public void onClick(View v) {

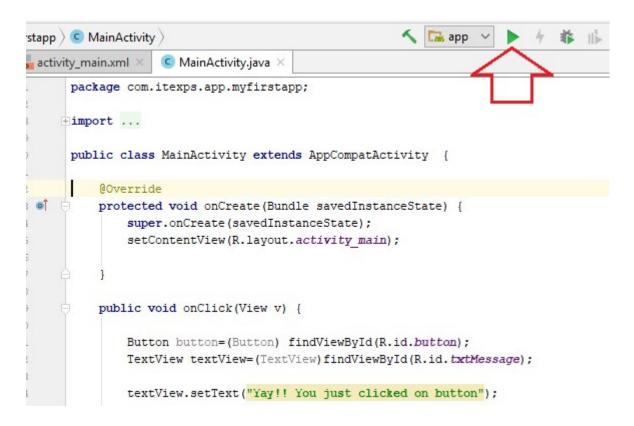
Button button=(Button) findViewById(R.id.button);
TextView textView=(TextView)findViewById(R.id.txtMessage);
textView.setText("Yay!! You just clicked on button");

}

19-Run your application by clicking the green Play Icon.



First Android Application

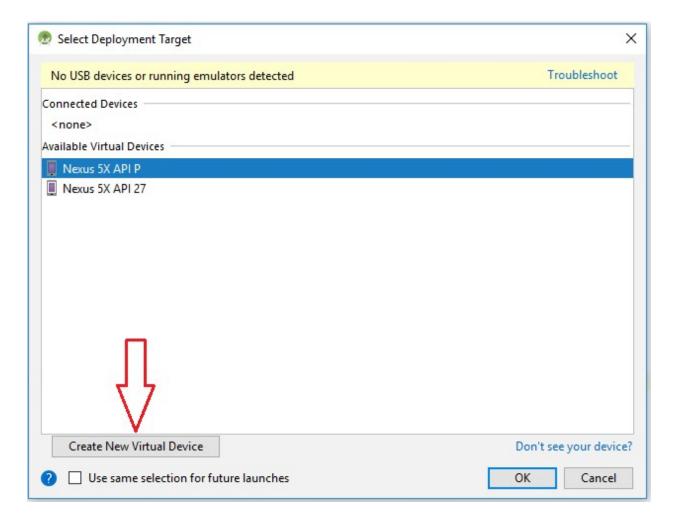


20-You need a virtual device to run the code. Bellow window will show up to chose the virtual device.

If there is no Installed VirtualDevice to choose, you can install one by clicking the "Install the new Virtual Device"



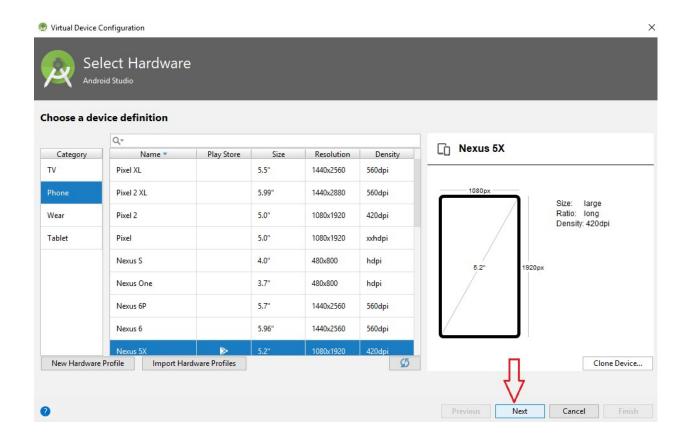
First Android Application



21-Click the "Next" button.



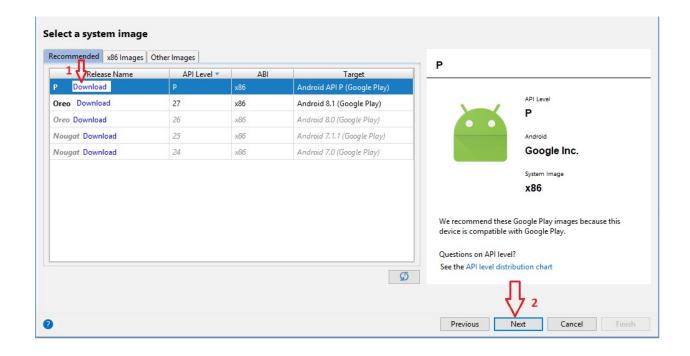
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22-Download the last release version listed in table and click the "Next" button



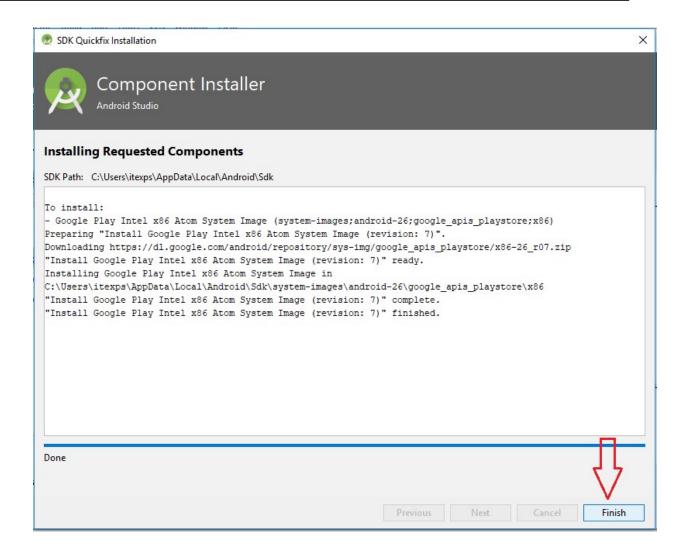
First Android Application



23-Click the "Finish " Button



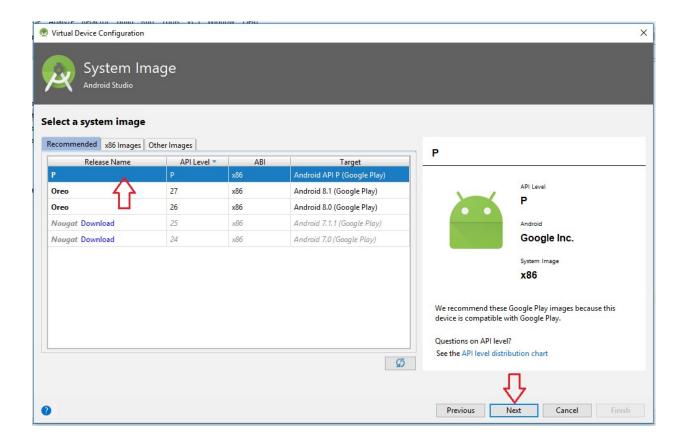
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24-Select the virtual Device that you already downloaded and click the "Next" button



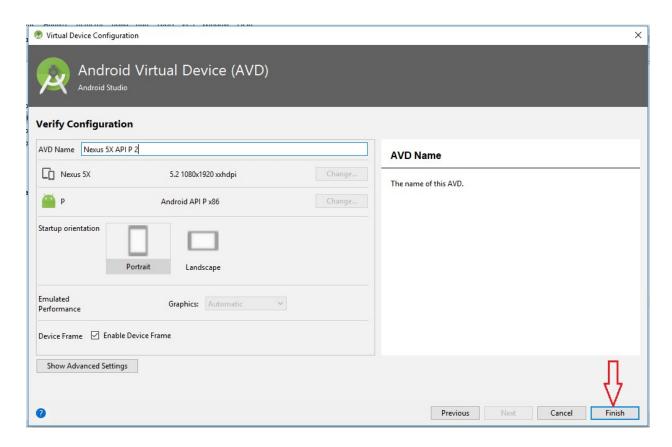
First Android Application



25-Click the "Finish" button.



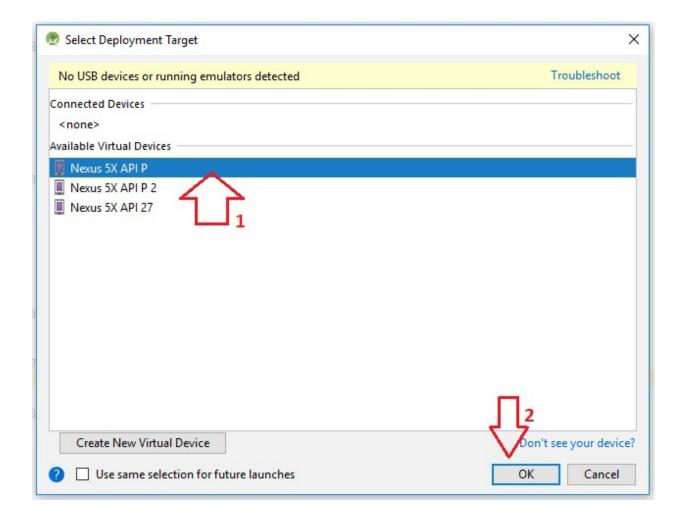
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26-In this window. You can see list of the Android Virtual Devices that you have installed. Select one of them and click the "OK" button.



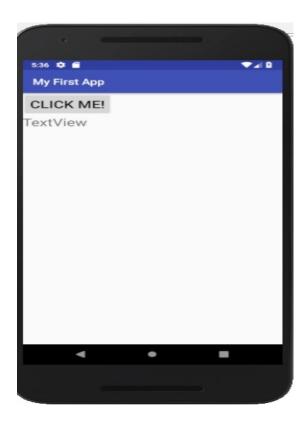
First Android Application



22- Virtual Device will start running and you can see your first app.



First Android Application



27-Now click the "Click Me!" button. The text will show up.



First Android Application

