**Lecture\_14\_Dialog**

**Mobile Computing (MC)**

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**Definition:**

A **Dialog** is small window that prompts the user to a decision or enter additional information.

Some times in your application, if you wanted to ask the user about taking a decision between yes or no in response of any particular action taken by the user, by remaining in the same activity and without changing the screen, you can use Alert Dialog.

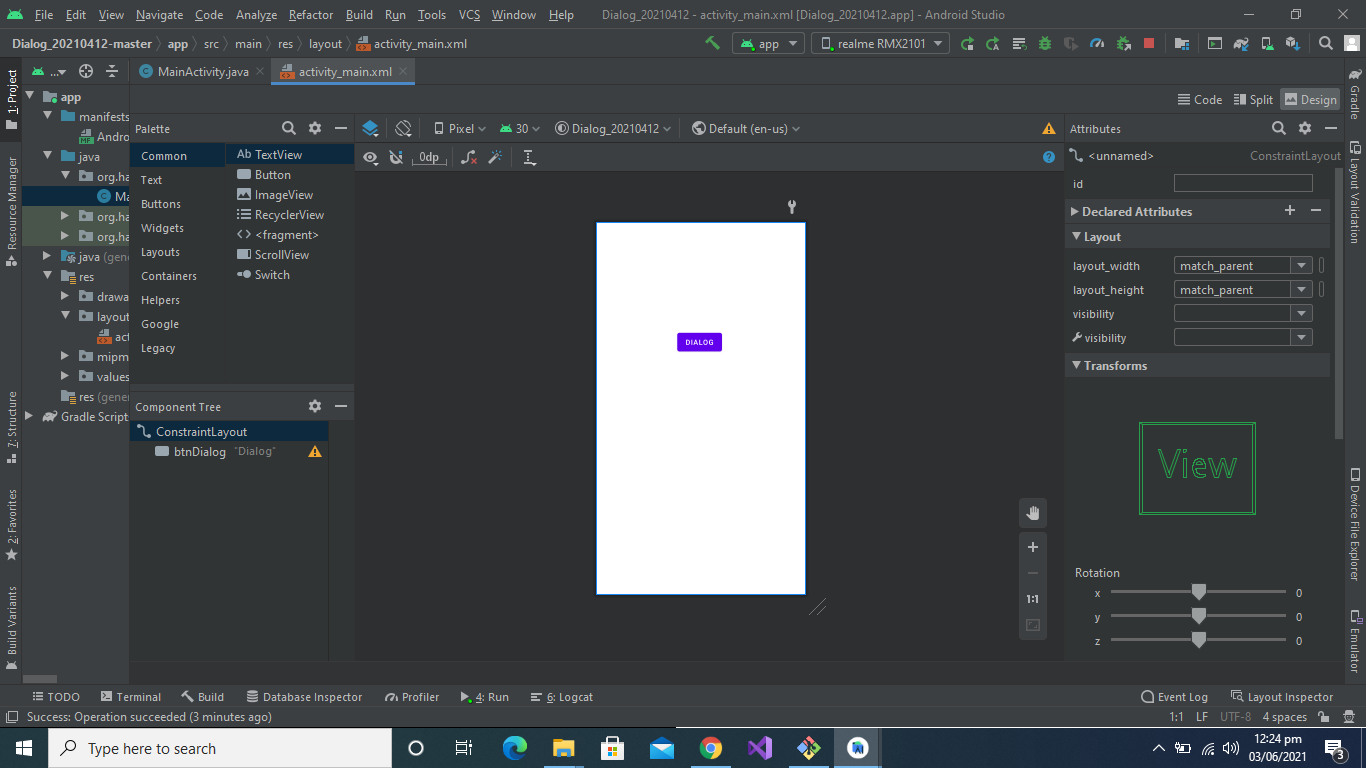
In order to make an alert dialog, you need to make an object of AlertDialogBuilder which an inner class of AlertDialog. Its syntax is given below

**AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder(this);**

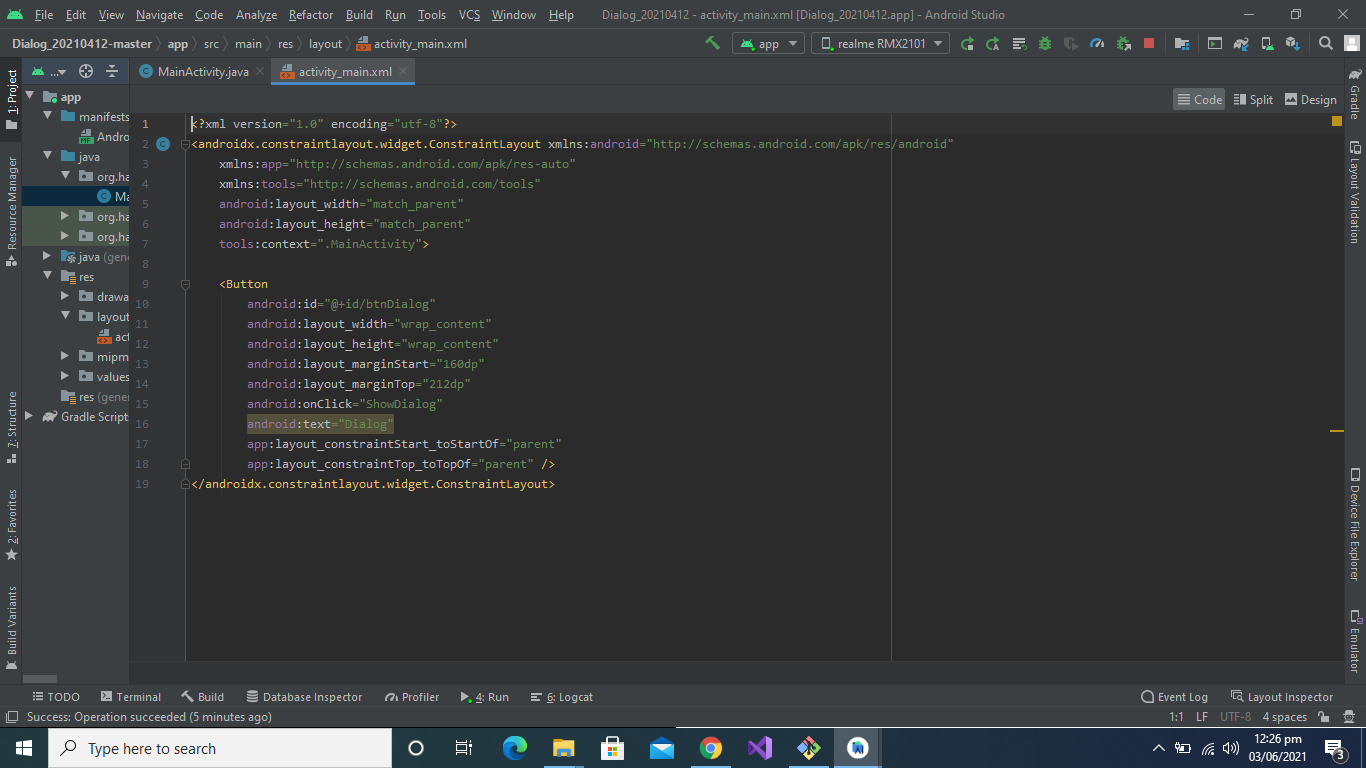
Now you have to set the positive (yes) or negative (no) button using the object of the AlertDialogBuilder class. Its syntax is

**alertDialogBuilder.setPositiveButton(CharSequence text, DialogInterface.OnClickListener listener)alertDialogBuilder.setNegativeButton(CharSequence text, DialogInterface.OnClickListener listener)**

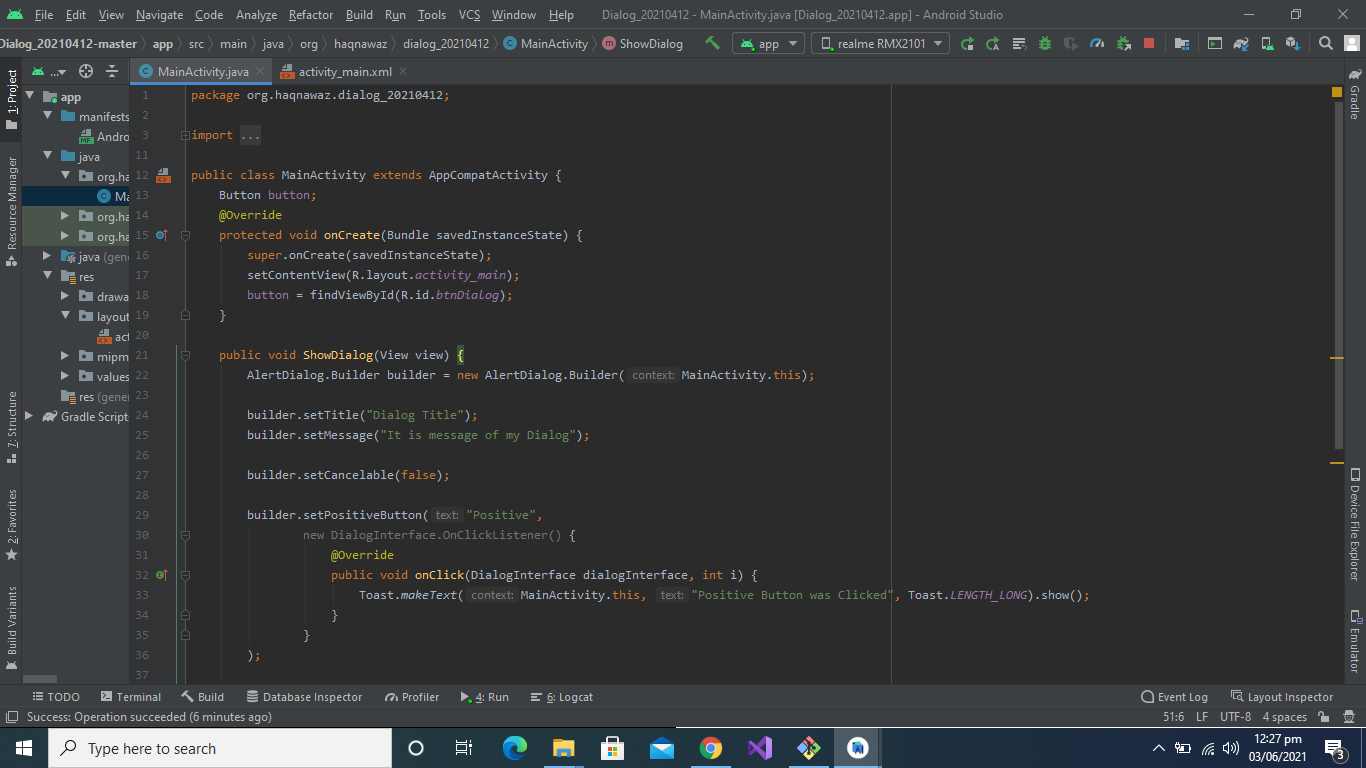
**In this Main\_Layout we make a single dialog button.**



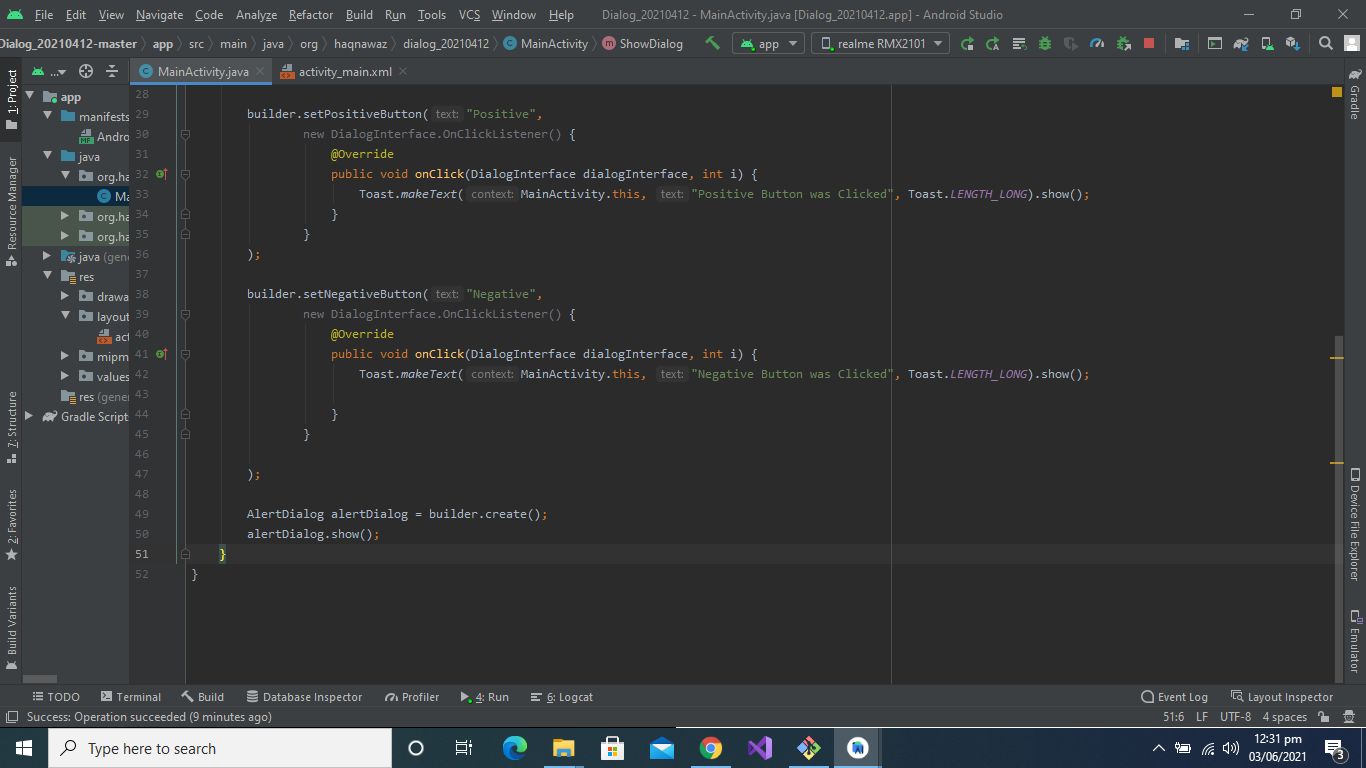
**Main.xml Code Part:**



**MainActivity.java**

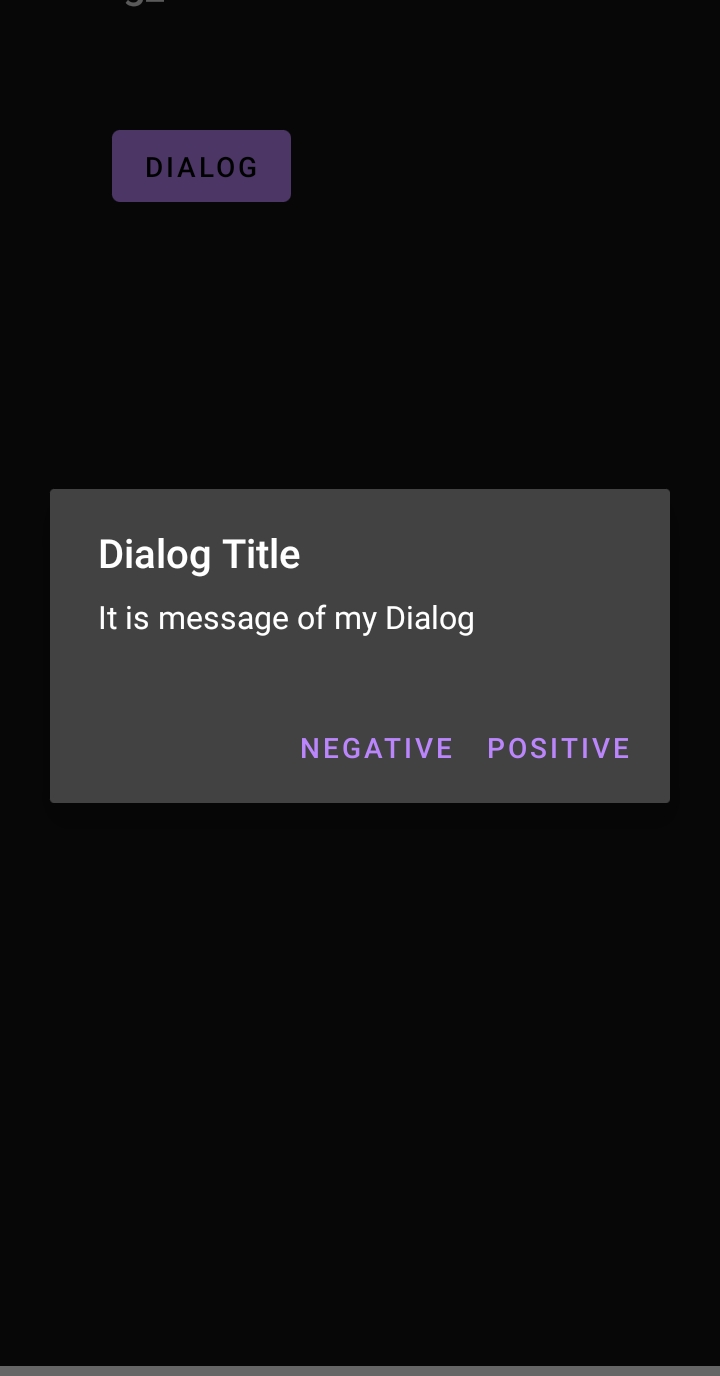
In MainActivity.java we have a showDialog() function. When user click on the dialog button this function called and dialog box will show to the user in which we have two buttons Named as Positive and Negative and a simple text. **Positive and Negative Button code:**

When user click on the Positive button there will be toast show “**positive button clicked**” and when click Negative button there will be toast show “**Negative button clicked”**



**Output**:

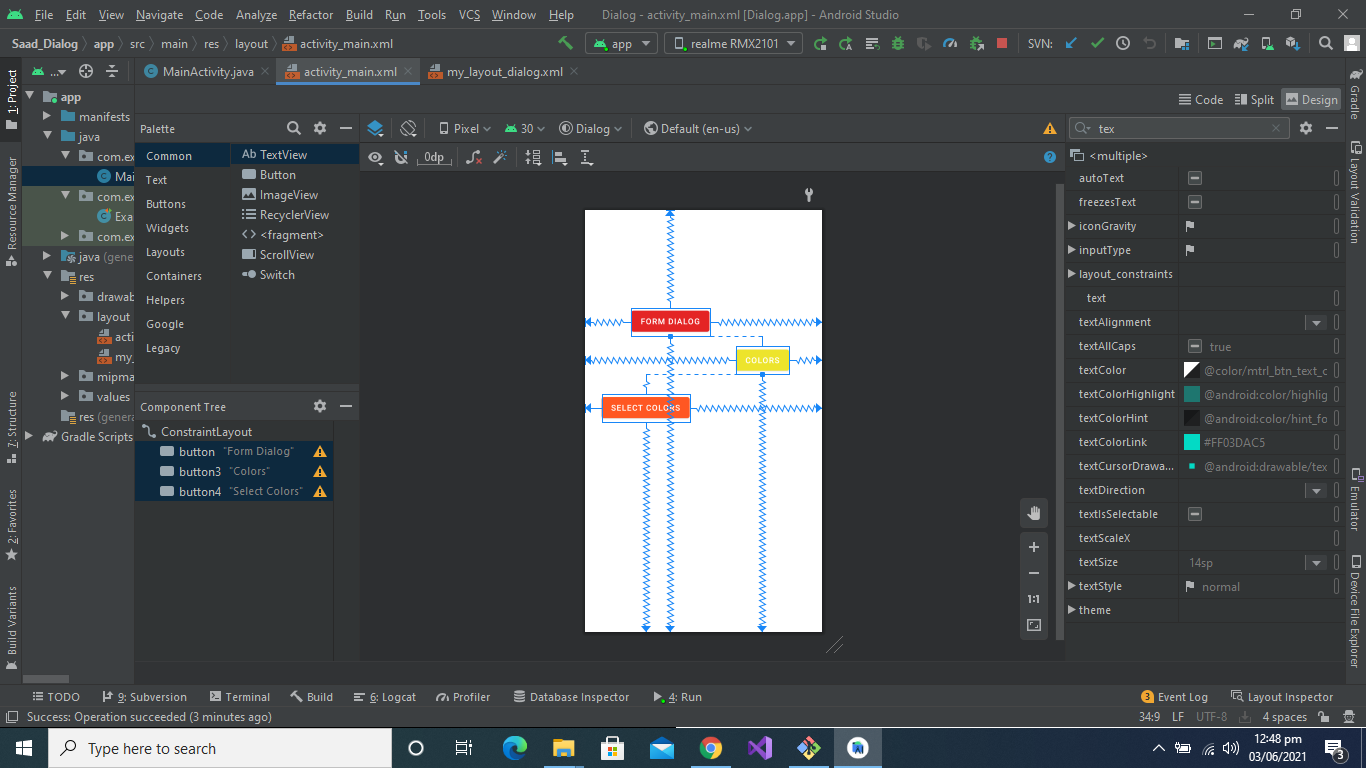
This output will be shown to the user.



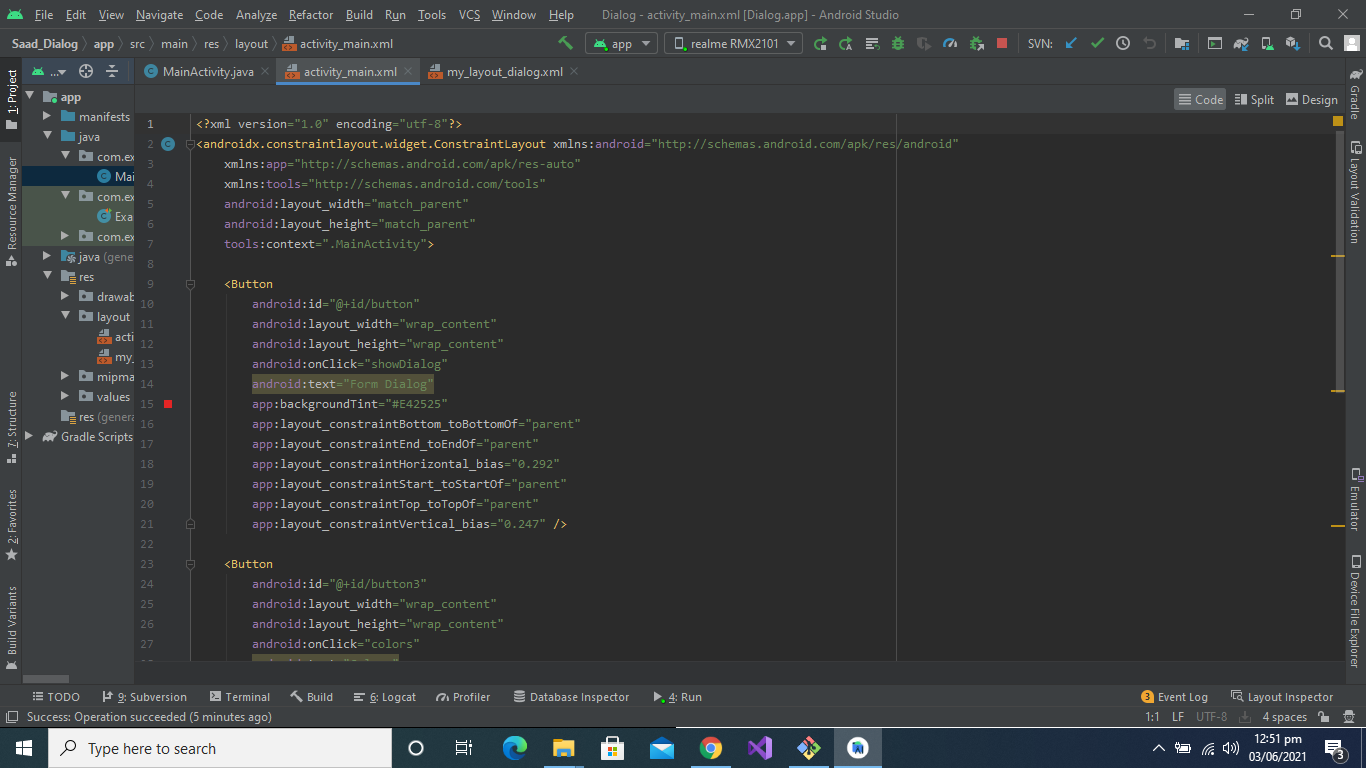
**Example2**:

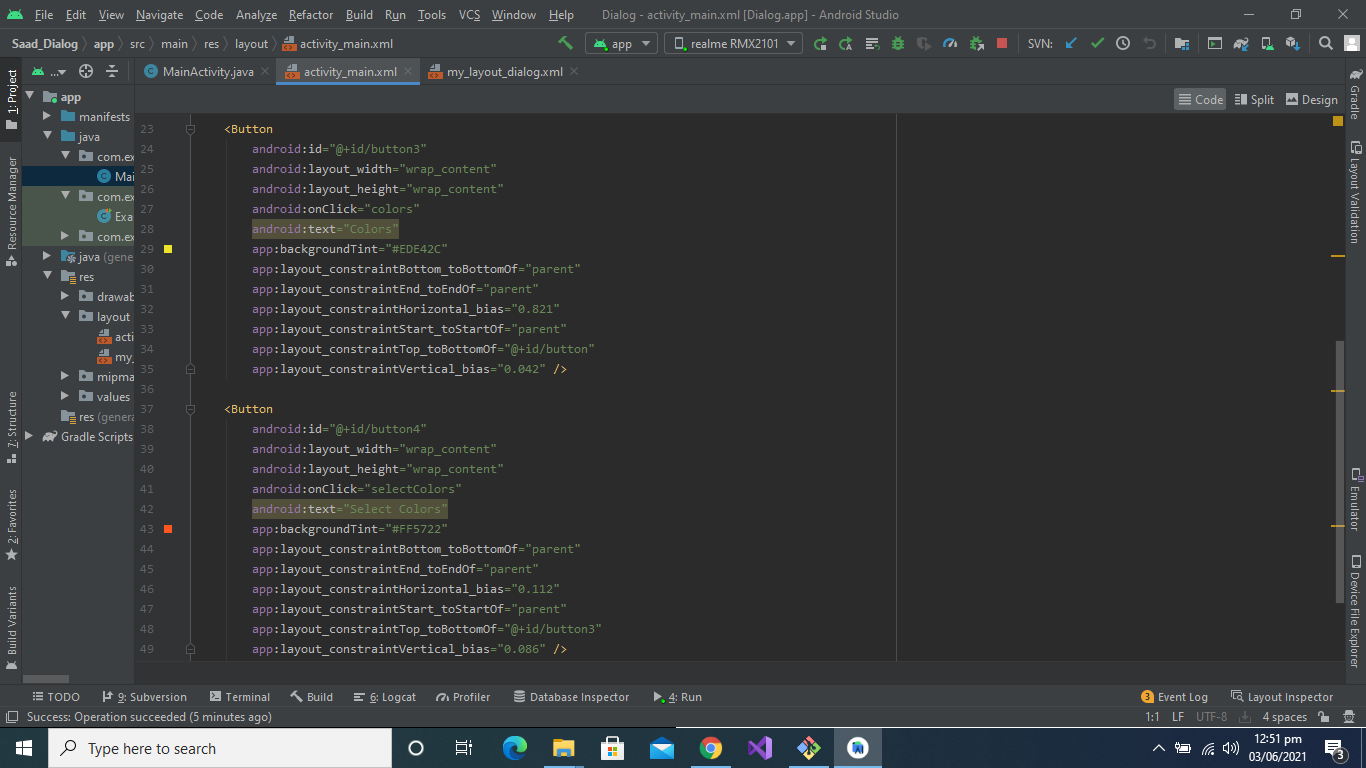
In this example I have added three buttons with different Functionalities:

**In the Main Layout:**



**Main Layout Code Section:**

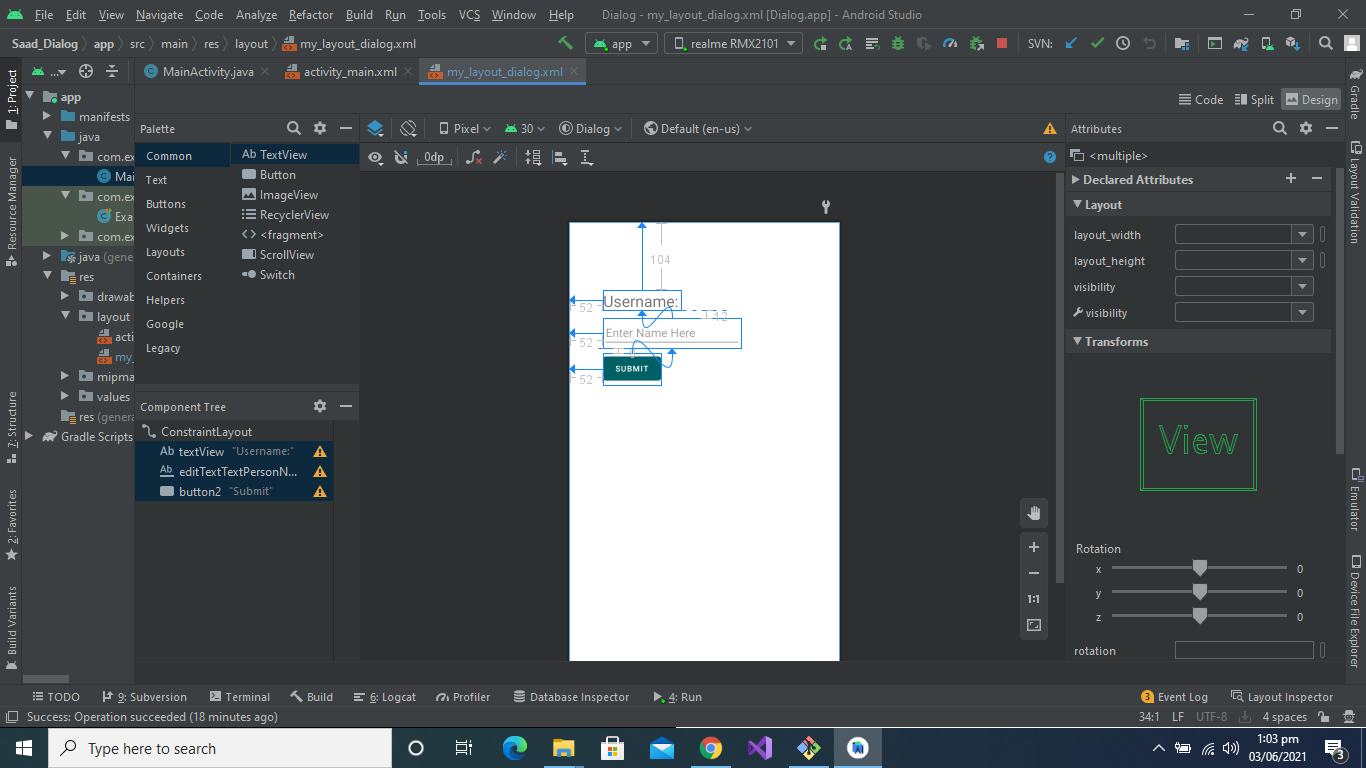




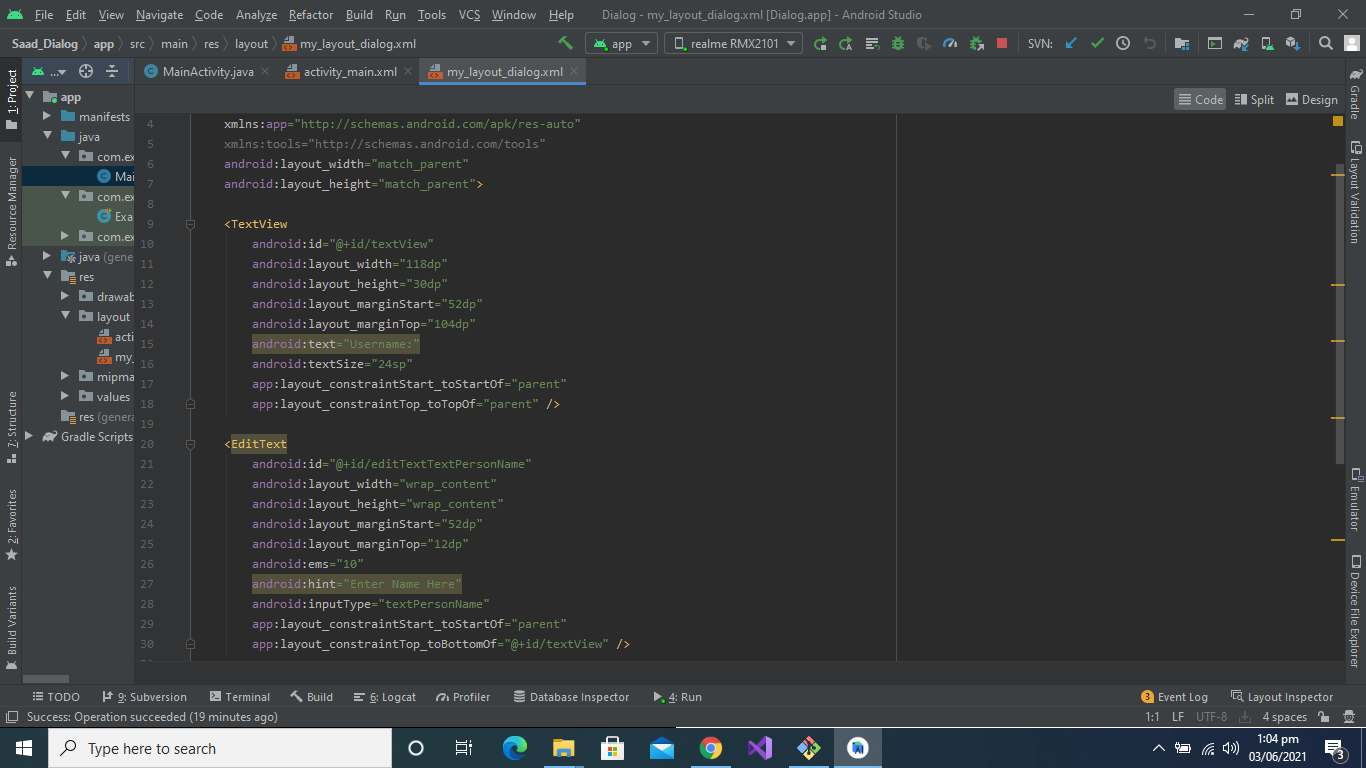
**Functionality of Form Dialog Button:**

When user click on the button there will be a dialog box show in which we show a simple form which we made in the **my\_layout\_dialog.xml.** Here is the

**Design Part of the my\_layout\_dialog.xml:**

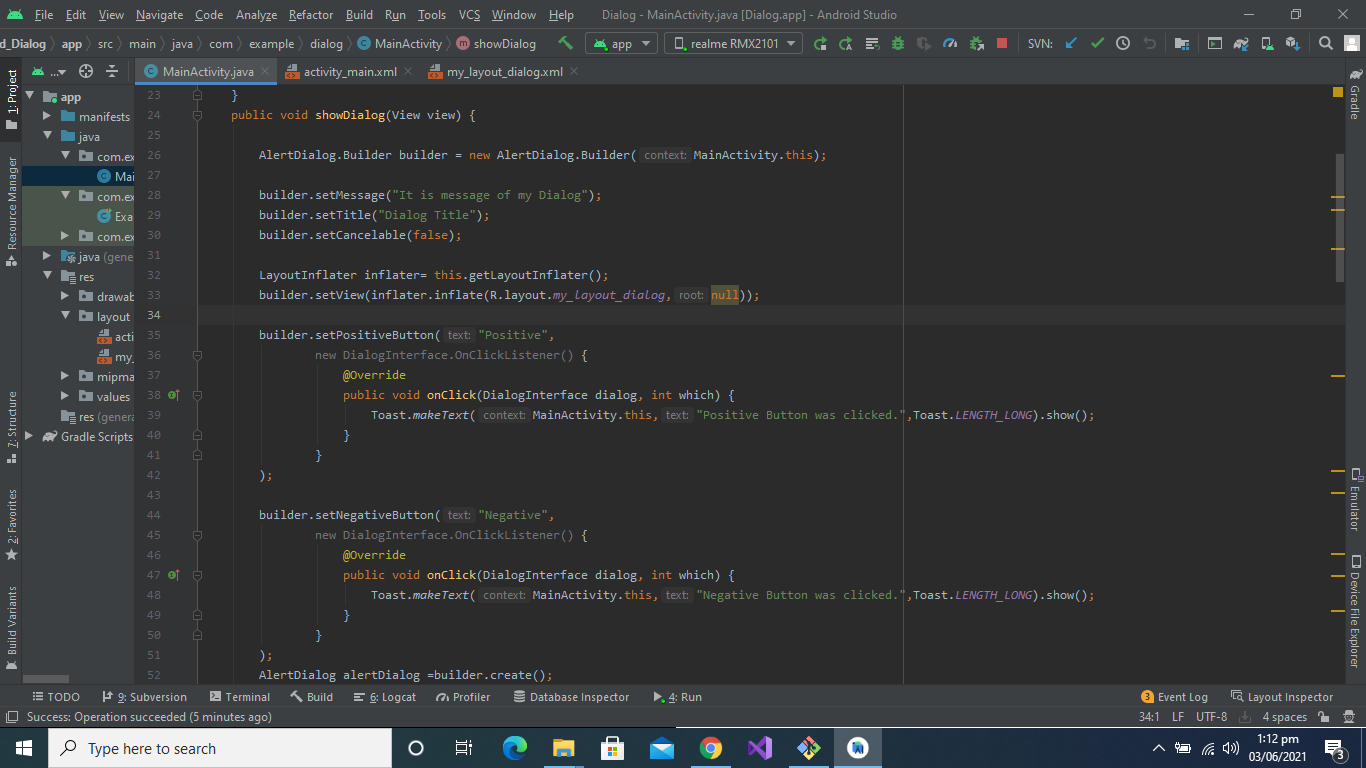


**Code Part of the my\_layout\_dialog.xml:**

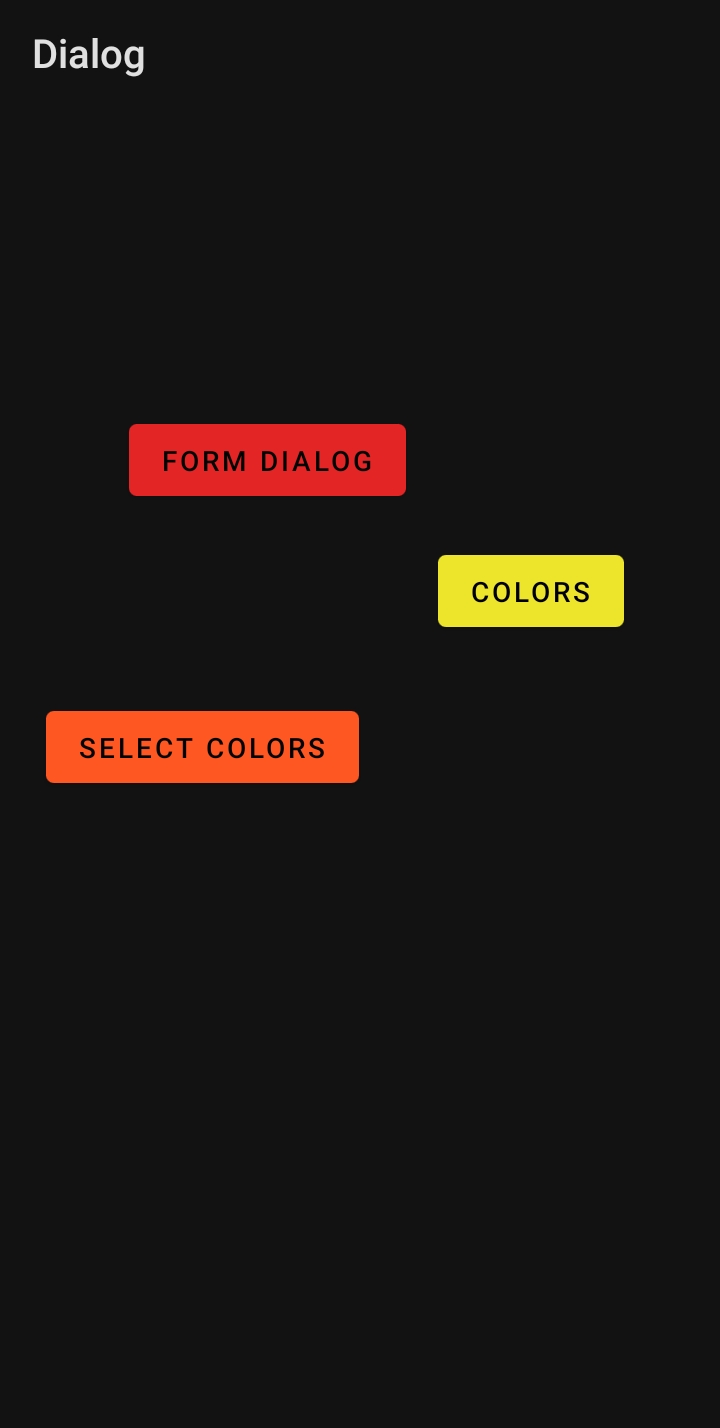


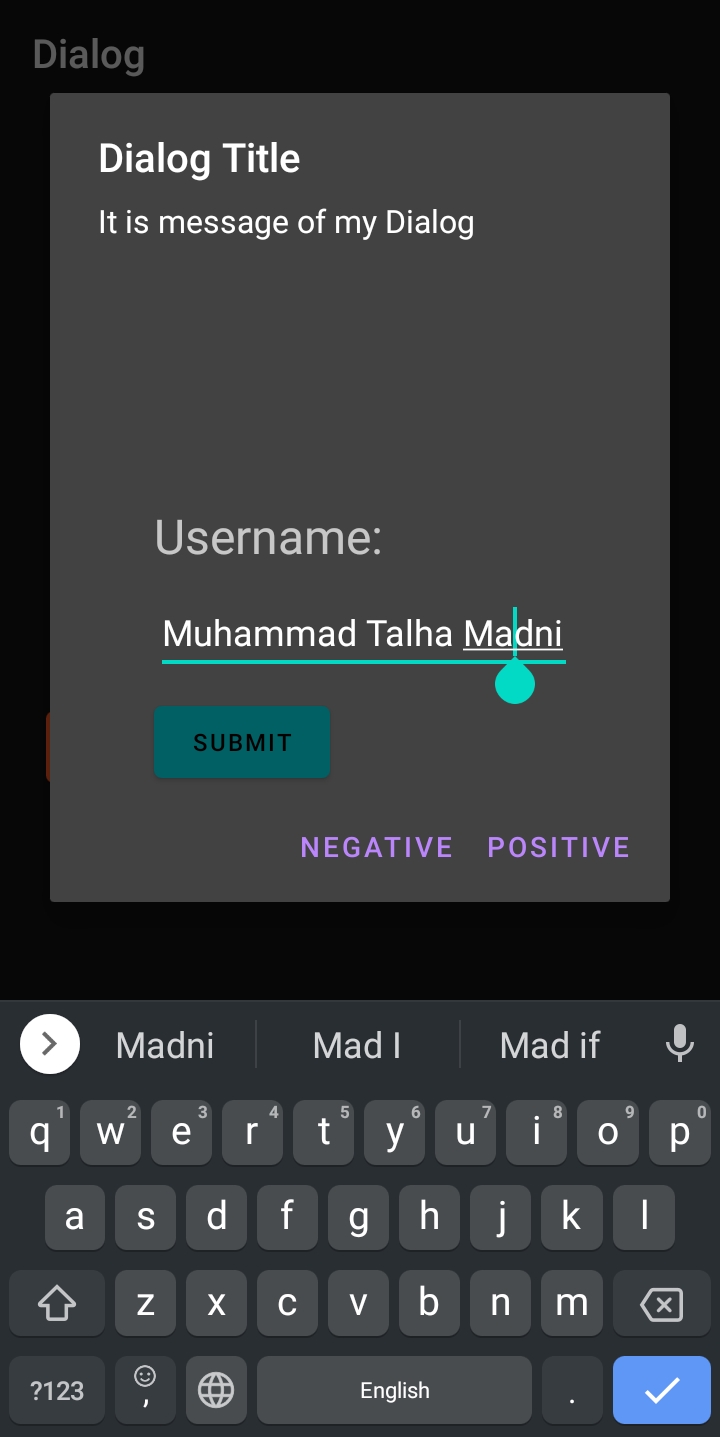
**This function will call when user click on the Form\_Dialog button:**

**Also make toast like first example.**



**Output**:

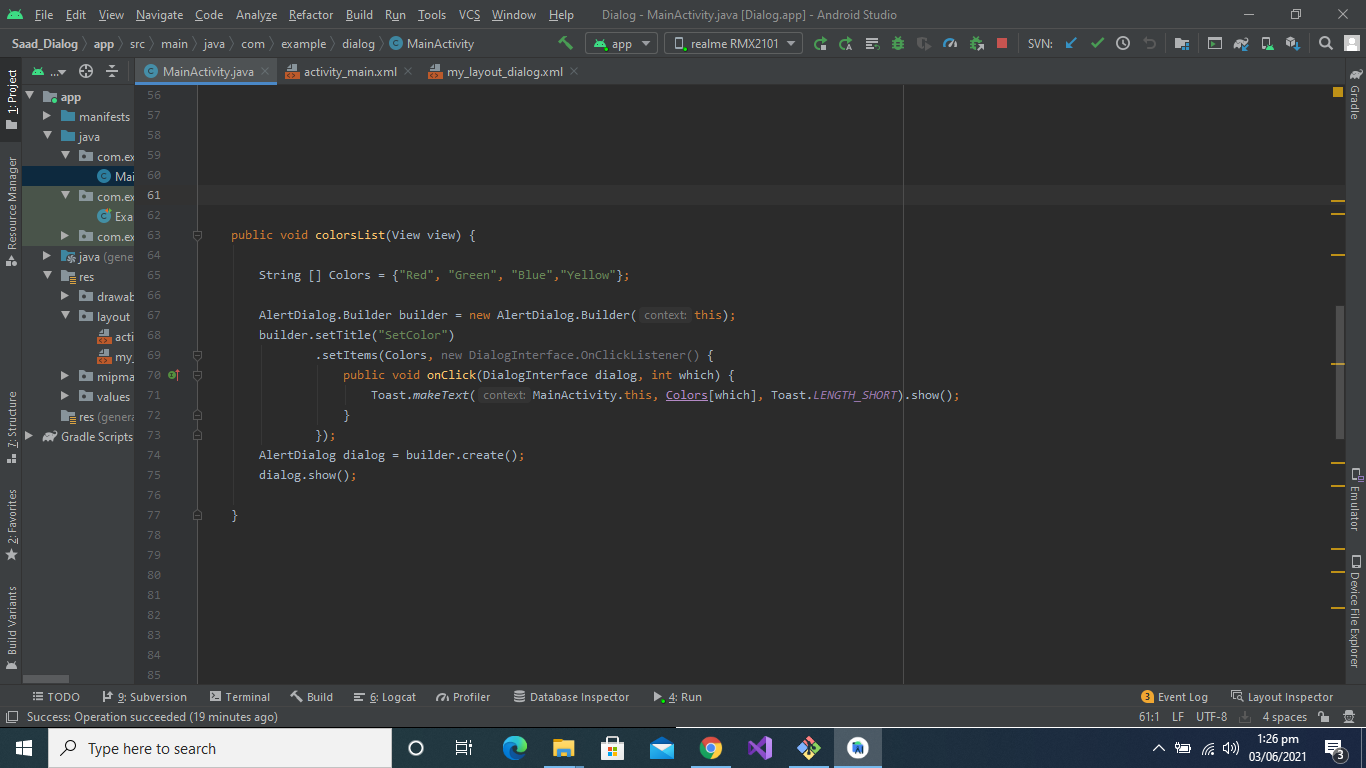




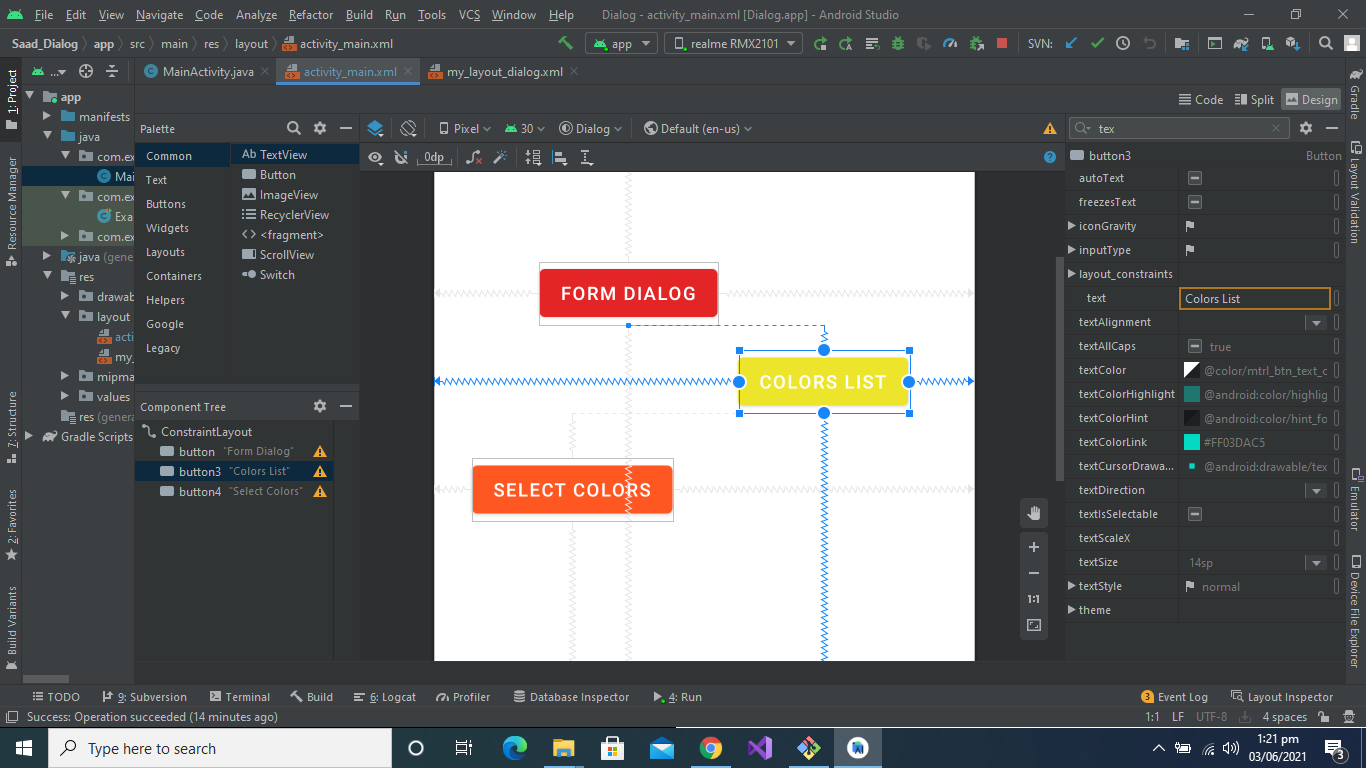
**Functionality of Colors List Button:**

When user click on the **Colors List** button the **colorsList**() function will be called and there will be a dialog box show in which List of Colors will be show to the user

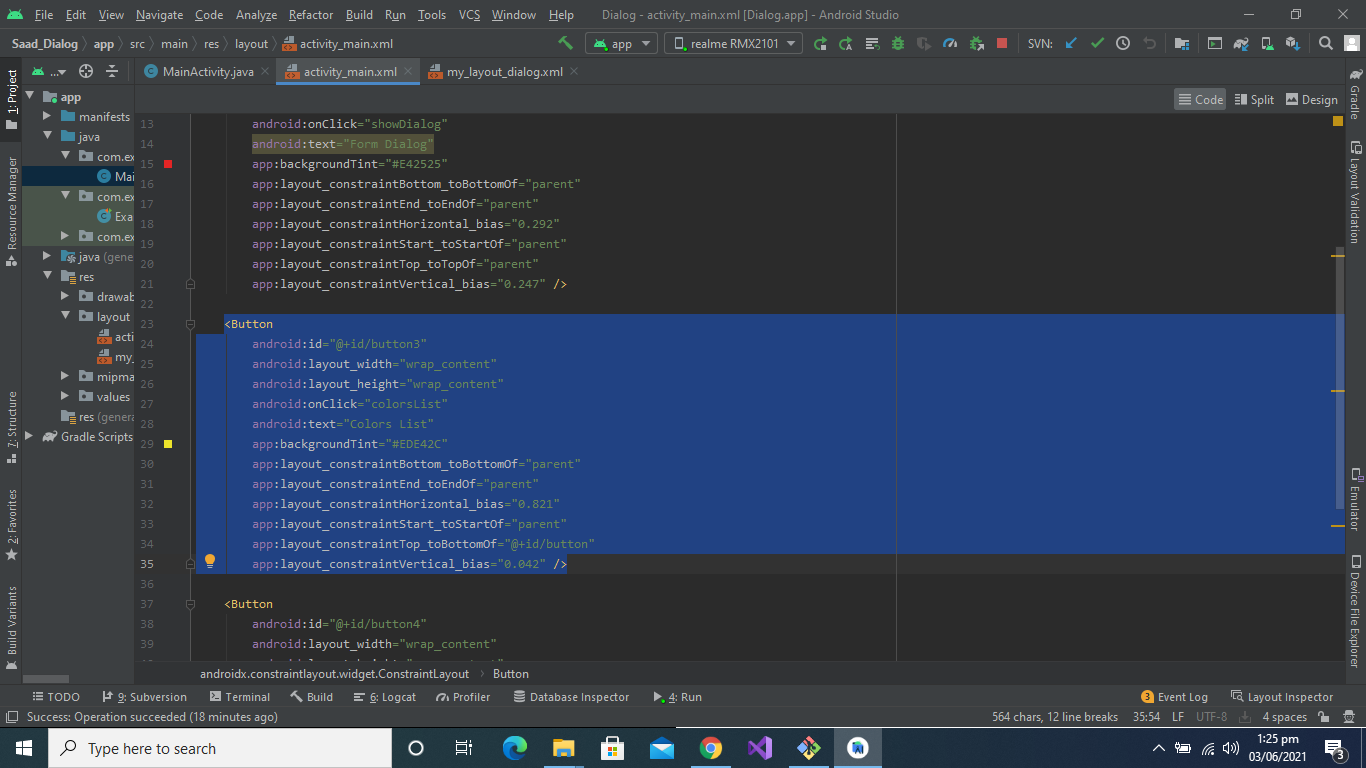
H**ere is the Funtionality code:**



**Design Part of the Colors List button:**

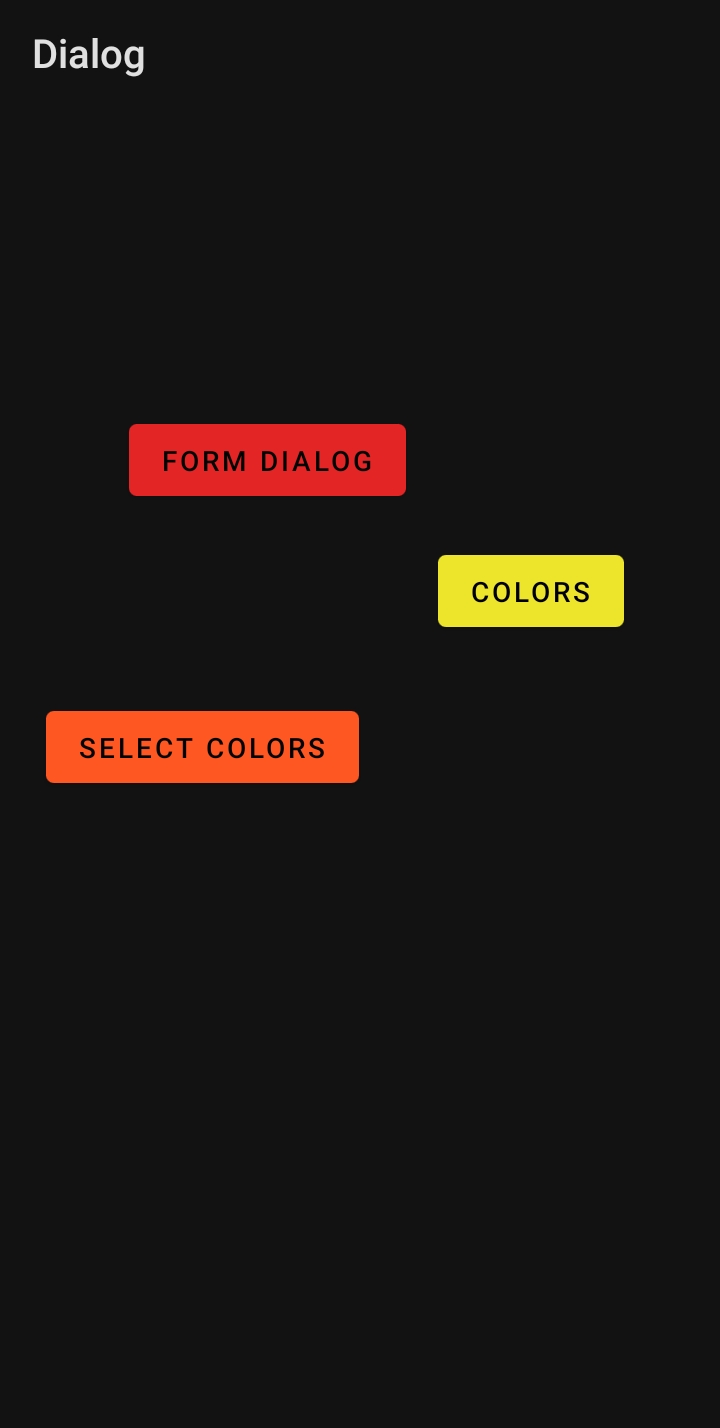


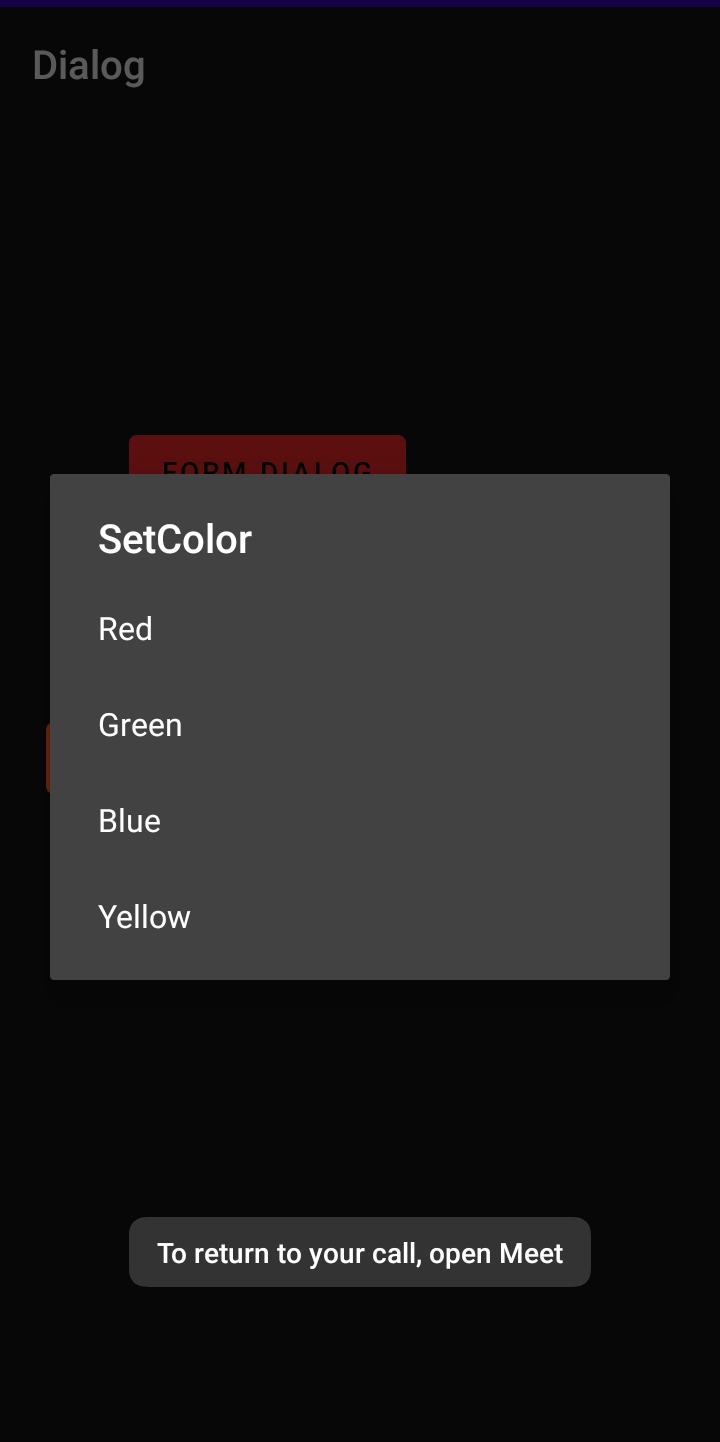
**Code Part of the Colors List button:**



**Output**:

This will be shown to the user:

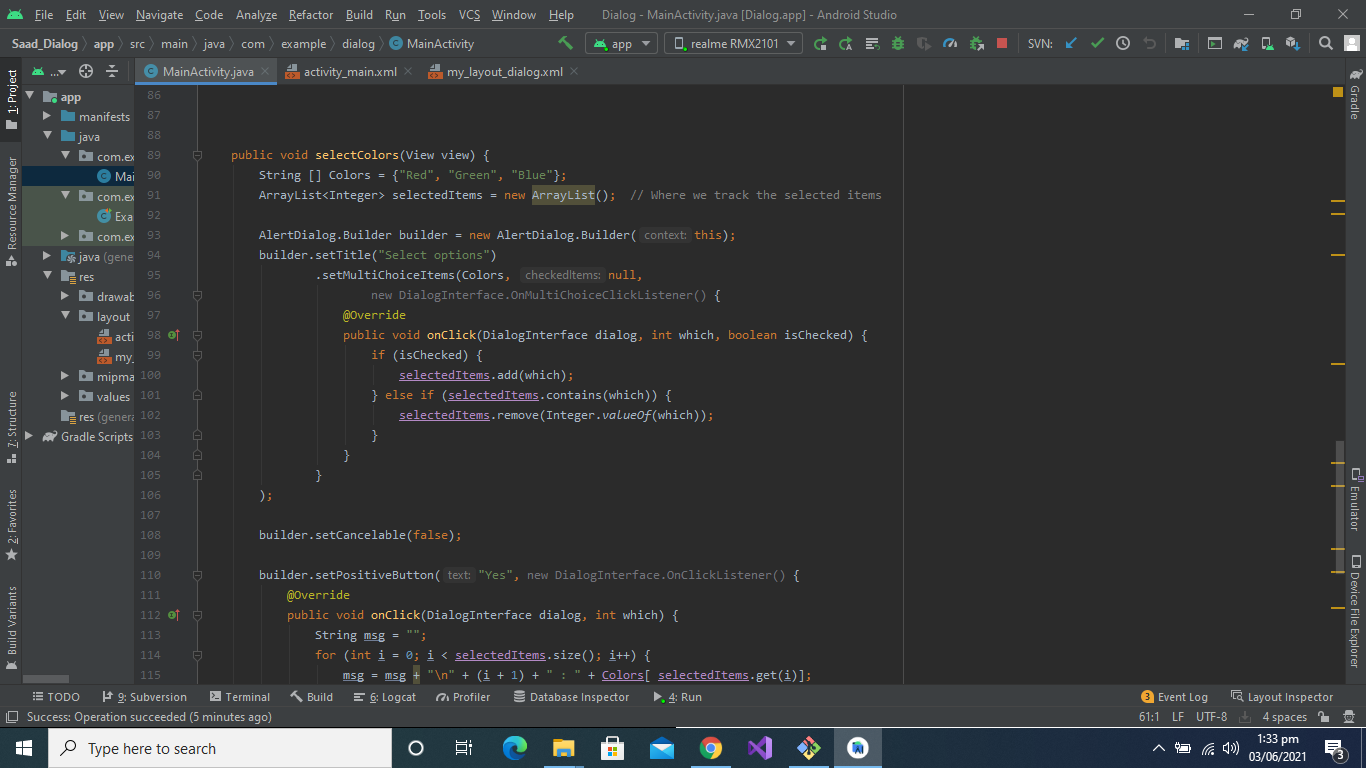


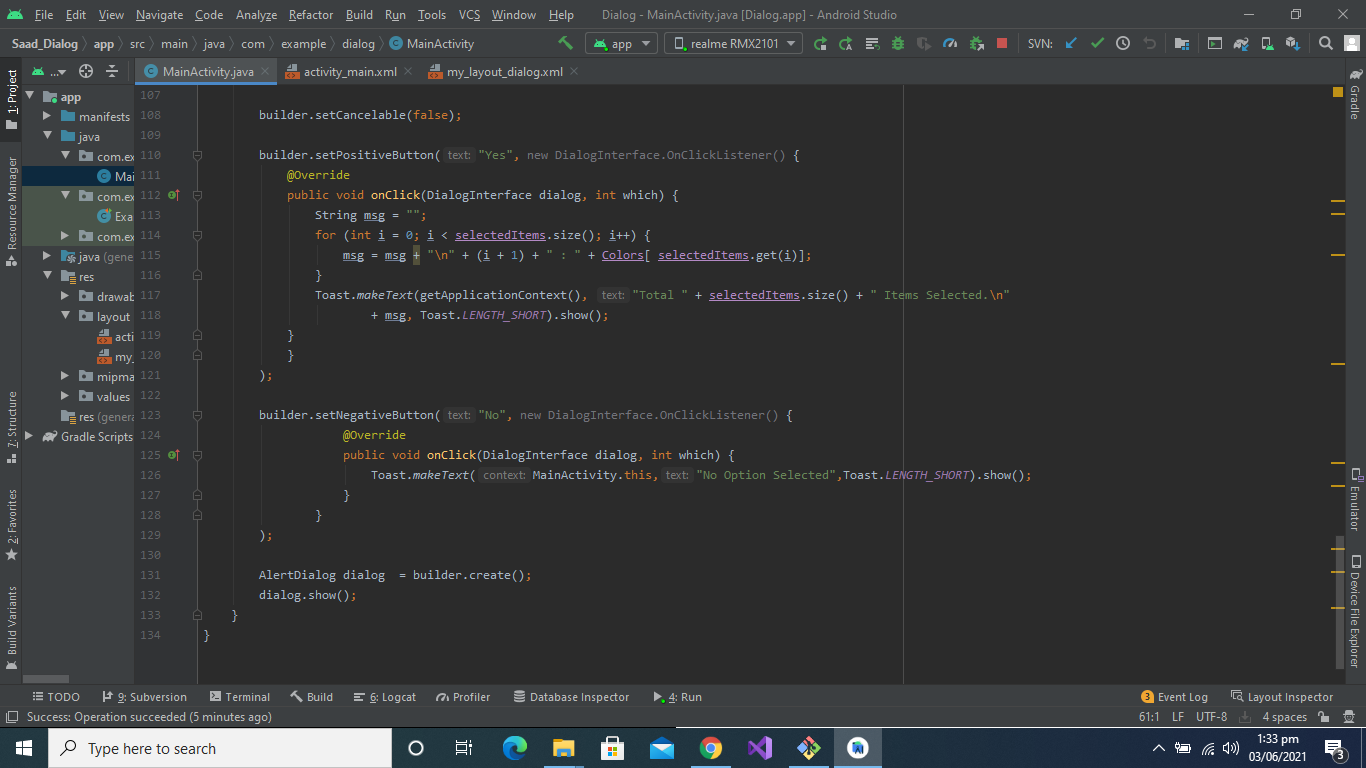


**Functionality of Select Colors Button:**

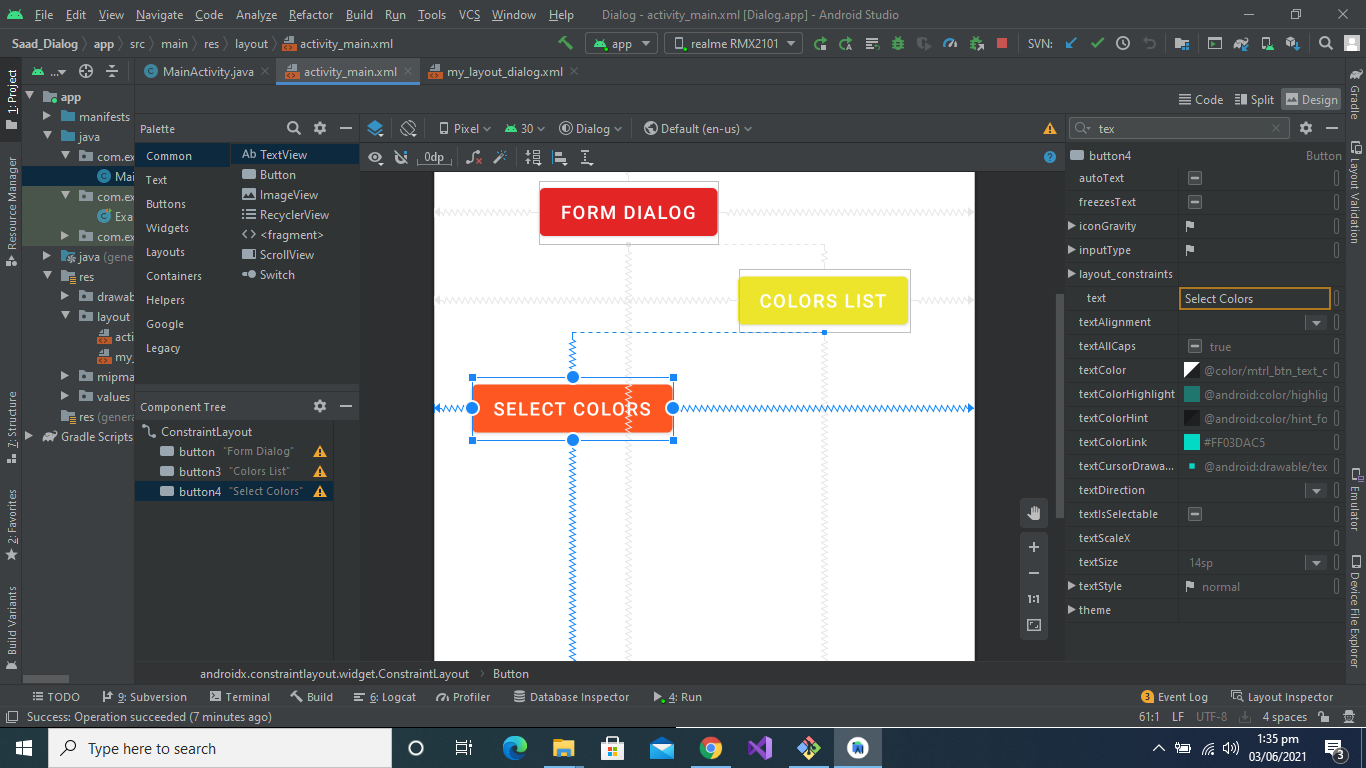
When user click on the **Select Colors** button the **selectColors**() function will be called and there will be a dialog box show in which Check boxes of Colors will be show to the user

H**ere is the Funtionality code:**

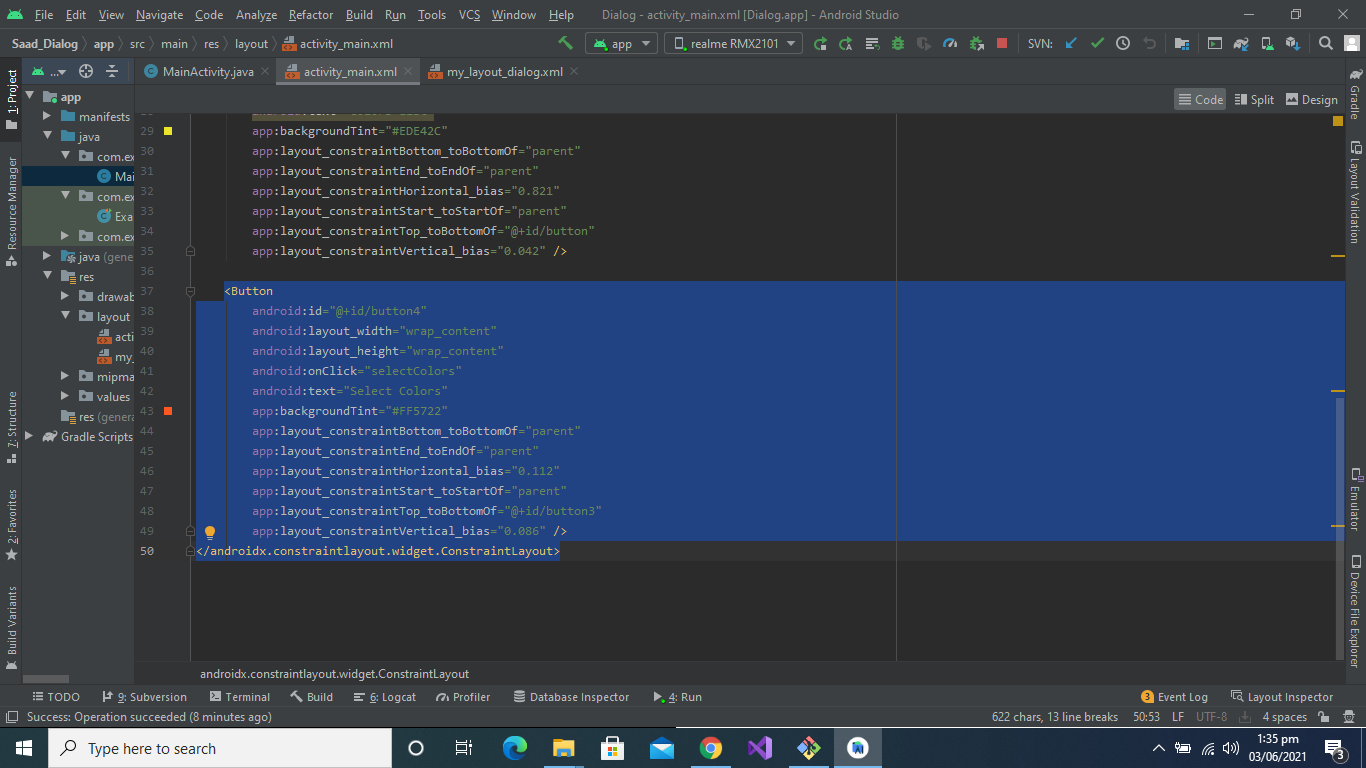




**Design Part of the Colors List button:**

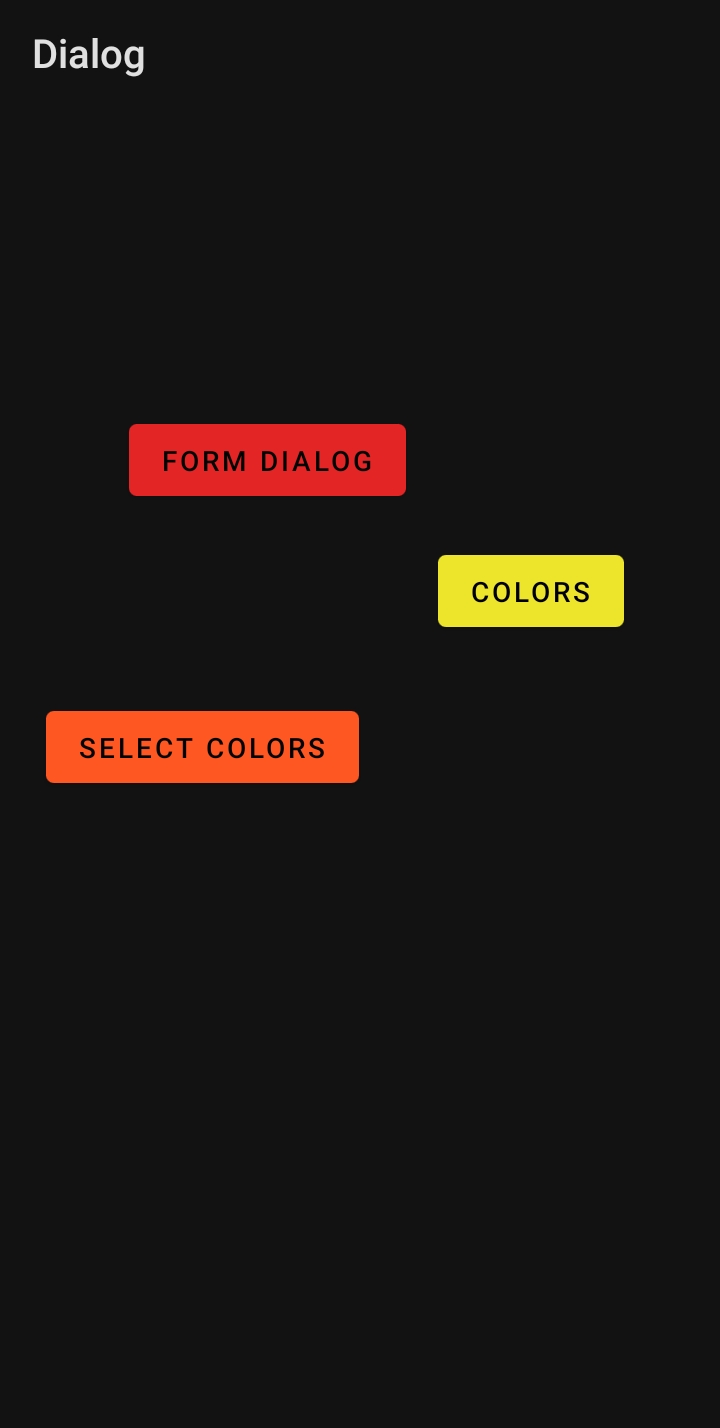


**Code Part of the Colors List button:**

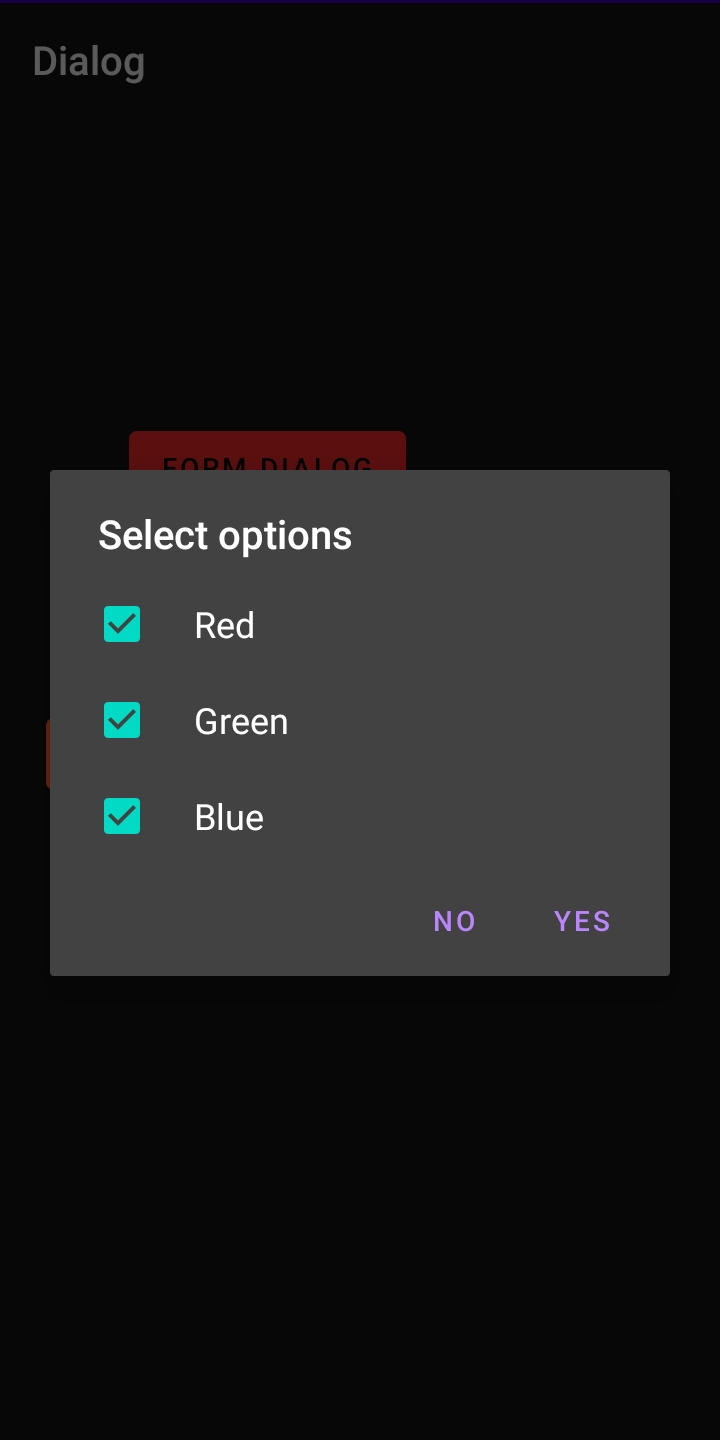


**Output**:

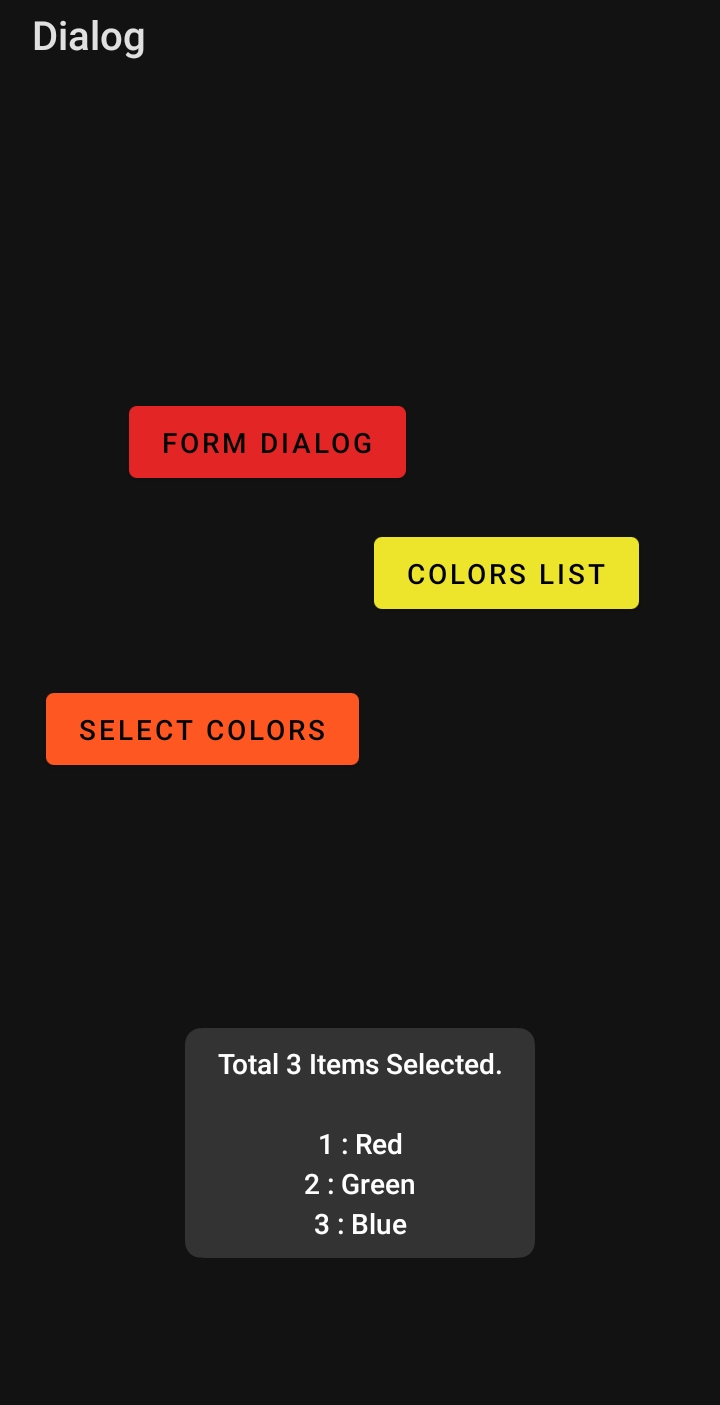
This will be shown to the user:



When user click select colors



**When user click Yes button:**



**Complete Program Link:**

[**https://github.com/talha0606/Lecture\_14\_Dialog/tree/master/Dialog**](https://github.com/talha0606/Lecture_14_Dialog/tree/master/Dialog)