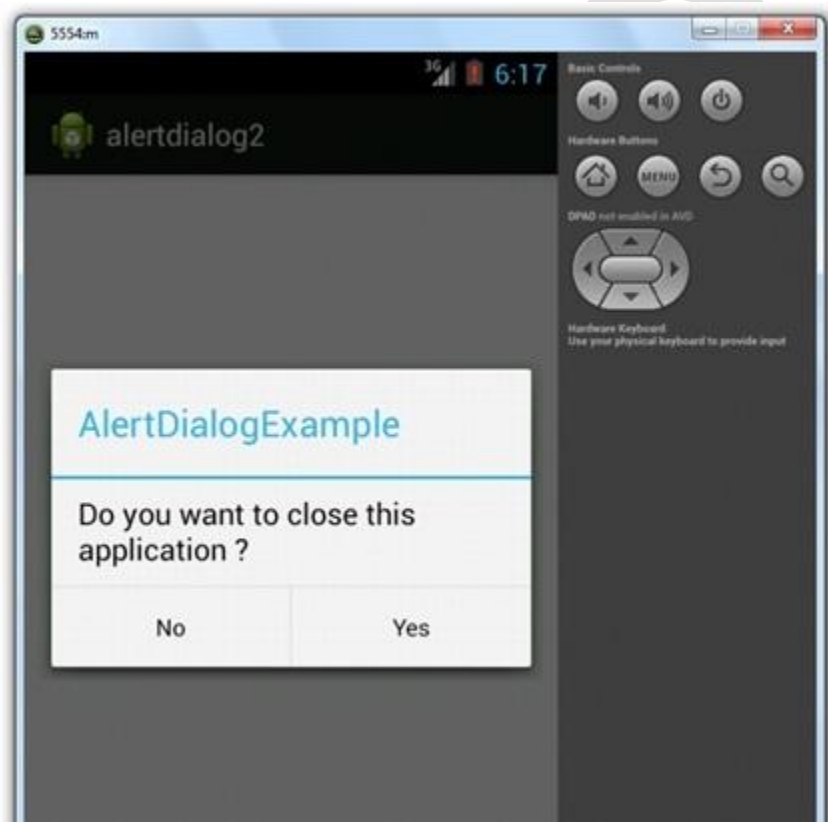


### **ALERT BOX**

*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.

Some examples of alert dialog box are given below:



Following are the series of steps you need to follow to code an alert dialog box in your application.

## Additional Reading to Android OS programming – Level 1

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**Step 1:** In order to make an alert dialog, you need to make an object of AlertDialogBuilder which is an inner class of AlertDialog.

**Step 2:** Set the message you wish to show by using the method setMessage() on the object of AlertDialogBuilder.

**Step 3:** 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)
```

**Step 4 :**Set the message you want to show on the button in text argument & code the onClick() method of listener accordingly.

**Step 5 :**After creating and setting the dialog builder , you will create an alert dialog by calling the create() method of the builder class and finally the show() method to show the dialog.

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The piece of code containing all above steps is as follows:

```
AlertDialog.Builder myalert = new AlertDialog.Builder(this);
myalert.setMessage("This is a alert box")
    .setPositiveButton("Continue..", new OnClickListener() {

        @Override
        public void onClick(DialogInterface dialog, int arg1) {

            dialog.dismiss();
        }
    }).setTitle("Welcome!")
    .create();
myalert.show();
```

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Apart from this , you can use other functions provided by the builder class to customize the alert dialog. These are listed below

Sr.No	Method type & description
1	<b>setIcon(Drawable icon)</b> This method set the icon of the alert dialog box.
2	<b>setCancelable(boolean cancel able)</b> This method sets the property that the dialog can be cancelled or not
3	<b>setMessage(CharSequence message)</b> This method sets the message to be displayed in the alert dialog
4	<b>setMultiChoiceItems(CharSequence[] items, boolean[] checkedItems, DialogInterface.OnMultiChoiceClickListener listener)</b> This method sets list of items to be displayed in the dialog as the content. The selected option will be notified by the listener
5	<b>setOnCancelListener(DialogInterface.OnCancelListener onCancelListener)</b> This method Sets the callback that will be called if the dialog is cancelled.
6	<b>setTitle(CharSequence title)</b> This method set the title to be appear in the dialog

The complete project and the .apk file is available along with this documentation.

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<https://drive.google.com/open?id=OB4rCFkKCsCeKeGo4Qkc5ZkZUNk0>