

Practical 14

Develop Android Applications to demonstrate different AlertDialogs and the Custom Dialog.

AlertDialog

Activity_main.xml

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".MainActivity" >

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentLeft="true"
        android:layout_alignParentTop="true"
        android:layout_marginLeft="100dp"
        android:layout_marginTop="152dp"
        android:text="Button" />

</RelativeLayout>
```

MainActivity.java

```
package com.example.pr16;

import android.os.Bundle;
import android.app.Activity;
import android.app.AlertDialog;
import android.content.DialogInterface;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
```

```

public class MainActivity extends Activity {
    Button b1;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=(Button)findViewById(R.id.button1);

        b1.setOnClickListener(new View.OnClickListener() {

            @Override
            public void onClick(View v) {
                // TODO Auto-generated method stub

                AlertDialog.Builder b1=new AlertDialog.Builder(MainActivity.this);

                b1.setTitle("Exit");
                b1.setMessage("R u want to Exit?");

                b1.setPositiveButton("Yes", new DialogInterface.OnClickListener() {

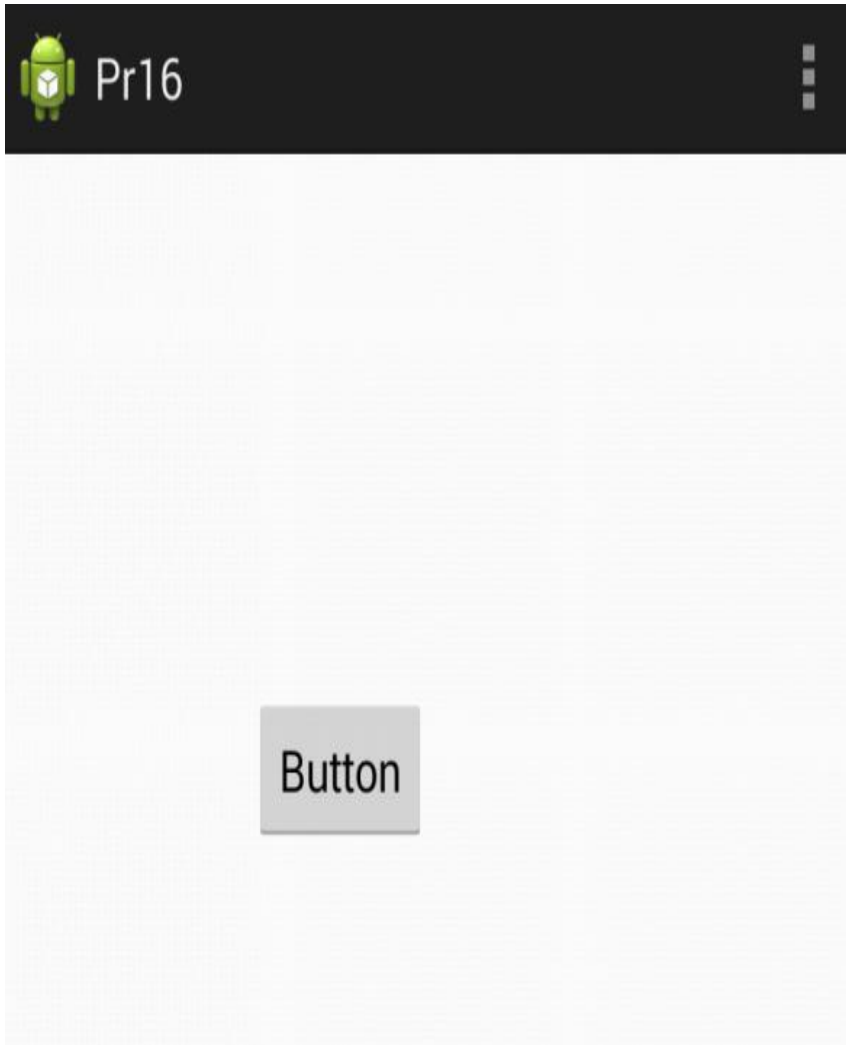
                    public void onClick(DialogInterface arg0, int arg1) {
                        // TODO Auto-generated method stub
                        finish();
                    }
                });
                b1.setNegativeButton("No", new DialogInterface.OnClickListener() {

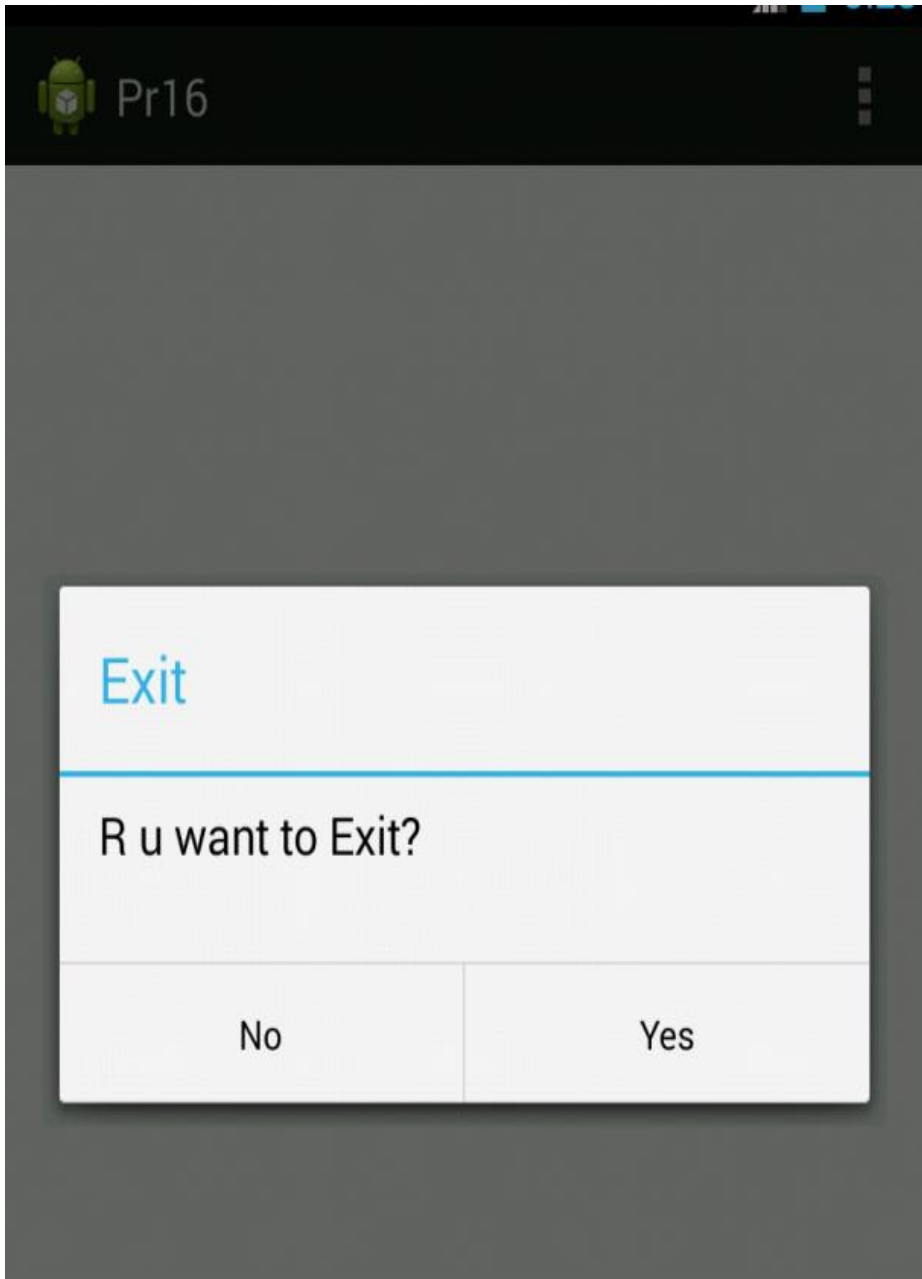
                    public void onClick(DialogInterface arg0, int arg1) {
                        // TODO Auto-generated method stub
                    }
                });
                b1.show();
            }
        });
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it is present.

```

```
        getMenuInflater().inflate(R.menu.main, menu);  
        return true;  
    }  
}
```





Custom Dialog

Activity_main.xml

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/parent"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:gravity="center"
    android:orientation="vertical">
```

```
<Button
    android:id="@+id/customDialog"
    android:text="Custom Dialog"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content" />
</LinearLayout>
```

Customview.xml

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >
```

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:text="Example of Custom View"
    android:textAlignment="center"/>
```

```
<Button
    android:id="@+id/buttonOk"
    android:layout_width="200dp"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_marginTop="15dp"
    android:text="Ok"
    android:textColor="#FFF" />
</LinearLayout>
```

MainActivity.java

```
package com.example.customdia_pr14;
```

```
import android.os.Bundle;
import android.app.Activity;
import android.app.AlertDialog;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
```

```

public class MainActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        findViewById(R.id.customDialog).setOnClickListener(new View.OnClickListener()
        {
            @Override
            public void onClick(View v) {
                AlertDialog.Builder builder = new AlertDialog.Builder(MainActivity.this);
                ViewGroup viewGroup = (ViewGroup) findViewById(android.R.id.content);
                View dialogView =
                LayoutInflater.from(v.getContext()).inflate(R.layout.customview, viewGroup, false);
                builder.setView(dialogView);
                AlertDialog alertDialog = builder.create();
                alertDialog.show();
            }
        });
    }

}

```

