**Practical N0.11**

**Aim :** program to create and use a compound control

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**Code :**

**MainActivity.java**

package com.example.compoundcontrol;  
  
import android.os.Bundle;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 }  
}

**Code :**

**activity\_main.xml**

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical">  
  
 <com.example.compoundcontrol.ClearableEditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
</LinearLayout>

**ClearableEditText.java**

package com.example.compoundcontrol;  
  
import android.content.Context;  
import android.util.AttributeSet;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.LinearLayout;  
  
public class ClearableEditText extends LinearLayout {  
 private EditText editText;  
 private Button clearButton;  
  
 public ClearableEditText(Context context, AttributeSet attrs) {  
 super(context, attrs);  
 initializeViews(context);  
 }  
  
 public ClearableEditText(Context context) {  
 super(context);  
 initializeViews(context);  
 }  
  
 private void initializeViews(Context context) {  
 LayoutInflater inflater = (LayoutInflater) context.getSystemService(Context.LAYOUT\_INFLATER\_SERVICE);  
 inflater.inflate(R.layout.clearable\_edit\_text, this);  
  
 editText = findViewById(R.id.editText);  
 clearButton = findViewById(R.id.clearButton);  
  
 clearButton.setOnClickListener(new OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 editText.setText("");  
 }  
 });  
 }  
}

**clearable\_edit\_text.xml**

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <EditText  
 android:id="@+id/editText"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:hint="Enter text" />  
  
 <Button  
 android:id="@+id/clearButton"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Clear" />  
</LinearLayout>



