**PRACTICAL-4.3**

**AIM:**

**Create a simple application to show the use of ALERT DIALOG.**

**PROGRAM CODE:**

* **Activity\_main.xml:**

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/parth\_patel\_19dcs098"  
 android:textColor="#FF5722"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.497"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.205" />  
  
 <Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="#F44336"  
 android:text="@string/close\_app"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.518"  
 tools:ignore="TextContrastCheck" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

* **Strings.xml:**

<resources>  
 <string name="app\_name">AlertDialog</string>  
 <string name="dialog\_message">This is an Alert Dialog</string>  
 <string name="dialog\_title">19DCS098-Parth Patel</string>  
 <string name="parth\_patel\_19dcs098">PARTH PATEL-19DCS098!</string>  
 <string name="close\_app">Close app</string>  
</resources>

* **MainActivity.java:**

package com.parthnpatel.alertdialog;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.app.AlertDialog;  
import android.widget.Toast;  
import android.content.DialogInterface;  
  
public class MainActivity extends AppCompatActivity {  
  
 private Button closeButton;  
 private AlertDialog.Builder builder;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 closeButton = (Button) findViewById(R.id.button);  
 builder = new AlertDialog.Builder(this);  
 closeButton.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
  
  
 builder.setMessage(R.string.dialog\_message) .setTitle(R.string.dialog\_title);  
  
   
 builder.setMessage("DO YOU WANT TO CLOSE THE APPLICATION ?")  
 .setCancelable(false)  
 .setPositiveButton("Yes", new DialogInterface.OnClickListener() {  
 public void onClick(DialogInterface dialog, int id) {  
 finish();  
 Toast.makeText(getApplicationContext(),"ACTION EXECUTED",  
 Toast.LENGTH\_SHORT).show();  
 }  
 })  
 .setNegativeButton("No", new DialogInterface.OnClickListener() {  
 public void onClick(DialogInterface dialog, int id) {  
  
 dialog.cancel();  
 Toast.makeText(getApplicationContext(),"ACTION TERMINATED",  
 Toast.LENGTH\_SHORT).show();  
 }  
 });  
  
 AlertDialog alert = builder.create();  
  
 alert.setTitle("Alert Dialog");  
 alert.show();  
 }  
 });  
 }  
}

**OUTPUT:**





