**Aim:** To create an application that displays a dialog window using an activity.

**Source 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="com.example.alertdialog.MainActivity"**>  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/button"  
 android:text="Close app"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Mainactivity.java:**

**package** com.example.alertdialog;  
  
**import** android.app.AlertDialog;  
**import** android.content.DialogInterface;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.Toast;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 Button **closeButton**;  
 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) {  
  
 *//Uncomment the below code to Set the message and title from the strings.xml file  
 //builder.setMessage(R.string.dialog\_message) .setTitle(R.string.dialog\_title);  
  
 //Setting message manually and performing action on button click* **builder**.setMessage(**"Do you want to close this application ?"**)  
 .setCancelable(**false**)  
 .setPositiveButton(**"Yes"**, **new** DialogInterface.OnClickListener() {  
 **public void** onClick(DialogInterface dialog, **int** id) {  
 finish();  
 Toast.*makeText*(getApplicationContext(),**"you choose yes action for alertbox"**,  
 Toast.***LENGTH\_SHORT***).show();  
 }  
 })  
 .setNegativeButton(**"No"**, **new** DialogInterface.OnClickListener() {  
 **public void** onClick(DialogInterface dialog, **int** id) {  
 *// Action for 'NO' Button* dialog.cancel();  
 Toast.*makeText*(getApplicationContext(),**"you choose no action for alertbox"**,  
 Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
 *//Creating dialog box* AlertDialog alert = **builder**.create();  
 *//Setting the title manually* alert.setTitle(**"AlertDialogExample"**);  
 alert.show();  
 }  
 });  
 }  
}

   