

## EX 8

### ANDROID MANIFEST

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools">

    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data_extraction_rules"
        android:fullBackupContent="@xml/backup_rules"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.Ex8"
        tools:targetApi="31">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN"/>

                <category android:name="android.intent.category.LAUNCHER"/>
            </intent-filter>
        </activity>
    </application>

</manifest>
```

### ACTIVITY MAIN

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    tools:ignore="MissingConstraints"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/alertMessageEditText"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter your message"
        android:layout_margin="16dp"
        android:inputType="text" tools:layout_editor_absoluteY="40dp"
tools:layout_editor_absoluteX="16dp"/>
    <Button
        android:id="@+id/alertButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Display"
        android:layout_below="@id/alertMessageEditText"
        android:layout_centerHorizontal="true"
        tools:layout_editor_absoluteY="121dp"
tools:layout_editor_absoluteX="158dp"
    />
</RelativeLayout>
```

## MAIN ACTIVITY

```
package com.example.ex8

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.Button
import android.widget.EditText
import androidx.appcompat.app.AlertDialog

class MainActivity : AppCompatActivity() {
    private lateinit var alertMessageEditText: EditText
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        alertMessageEditText = findViewById(R.id.alertMessageEditText)
        val alertButton = findViewById<Button>(R.id.alertButton)
        alertButton.setOnClickListener {
            displayAlertDialog()
        }
    }

    private fun displayAlertDialog() {
        val message = alertMessageEditText.text.toString()
        val builder = AlertDialog.Builder(this)
        builder.setTitle("Priya wants to say:")
        builder.setMessage(message)
        builder.setPositiveButton("OK") { dialog, _ ->
            dialog.dismiss()
        }
        builder.setNegativeButton("Cancel") { dialog, _ ->
            // Cancel button clicked, handle the action if needed
            dialog.dismiss()
        }
        val alertDialog = builder.create()
        alertDialog.show()
    }
}
```