

### **activity\_main.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<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"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/btn"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:text="Send Notification" />

</RelativeLayout>
```

### **activity\_after\_notification.xml**

```
<?xml version="1.0" encoding="utf-8"?>
<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"
    tools:context=".afterNotification">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:text="Welcome to the Indus University Students"
        android:textSize="15dp"
        android:textStyle="bold"/>

</RelativeLayout>
```

### **MainActivity.kt**

```
import android.app.Notification
import android.app.NotificationChannel
import android.app.NotificationManager
import android.app.PendingIntent
import android.content.Context
import android.content.Intent
import android.graphics.BitmapFactory
import android.graphics.Color
import android.os.Build
import android.os.Bundle
import android.widget.Button
import android.widget.RemoteViews
import androidx.appcompat.app.AppCompatActivity

class MainActivity : AppCompatActivity() {

    // declaring variables
```

```

lateinit var notificationManager: NotificationManager
lateinit var notificationChannel: NotificationChannel
lateinit var builder: Notification.Builder
private val channelId = "i.apps.notifications"
private val description = "Test notification"

override fun onCreate(savedInstanceState: Bundle?) {
    super.onCreate(savedInstanceState)
    setContentView(R.layout.activity_main)

    val btn = findViewById<Button>(R.id.btn)
    notificationManager = getSystemService(Context.NOTIFICATION_SERVICE) as NotificationManager

    btn.setOnClickListener {

        val intent = Intent(this, afterNotification::class.java)

        val pendingIntent = PendingIntent.getActivity(this, 0, intent, PendingIntent.FLAG_UPDATE_CURRENT)

        val contentView = RemoteViews(packageName, R.layout.activity_after_notification)

        if (Build.VERSION.SDK_INT >= Build.VERSION_CODES.O) {
            notificationChannel = NotificationChannel(channelId, description,
NotificationManager.IMPORTANCE_HIGH)
            notificationChannel.enableLights(true)
            notificationChannel.lightColor = Color.GREEN
            notificationChannel.enableVibration(false)
            notificationManager.createNotificationChannel(notificationChannel)

            builder = Notification.Builder(this, channelId)
                .setContent(contentView)
                .setSmallIcon(R.drawable.ic_launcher_background)
                .setLargeIcon(BitmapFactory.decodeResource(this.resources, R.drawable.ic_launcher_background))
                .setContentIntent(pendingIntent)
        } else {

            builder = Notification.Builder(this)
                .setContent(contentView)
                .setSmallIcon(R.drawable.ic_launcher_background)
                .setLargeIcon(BitmapFactory.decodeResource(this.resources, R.drawable.ic_launcher_background))
                .setContentIntent(pendingIntent)
        }
        notificationManager.notify(1234, builder.build())
    }
}

```