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**Class:** Final Year B. Tech CSE **Batch:** B2

**Title: Program to demonstrate notification with their action**

**activity\_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical" >  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="175dp"  
 android:layout\_marginTop="250dp"  
 android:text="Notification"  
 android:textColor="#000"  
 android:textSize="20dp"  
 />  
  
 <Button  
 android:id="@+id/send"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="175dp"  
 android:onClick="sendNotification"  
 android:text="Click" />  
  
</LinearLayout>

**MainActivity.java**

package com.example.notification;  
  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.app.NotificationCompat;  
  
import android.app.Notification;  
import android.app.NotificationChannel;  
import android.app.NotificationManager;  
import android.app.PendingIntent;  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
  
public class MainActivity extends AppCompatActivity {  
  
 private static final String *MSG*="notify\_me";  
 private static final int *CHANNEL\_ID*=111;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
 public void sendNotification(View view){  
 NotificationManager nm=(NotificationManager) getSystemService(*NOTIFICATION\_SERVICE*);  
 if (android.os.Build.VERSION.*SDK\_INT*>= android.os.Build.VERSION\_CODES.*O*) {  
 Notification notification=new Notification.Builder(this)  
 .setSmallIcon(R.drawable.*ic\_launcher\_background*)  
 .setContentTitle("Notification")  
 .setContentText("Hello.....")  
 .setChannelId(*MSG*)  
 .build();  
 nm.createNotificationChannel(new NotificationChannel(*MSG*,"Nature Notification",NotificationManager.*IMPORTANCE\_HIGH*));  
 nm.notify(*CHANNEL\_ID*,notification);  
 }  
 else{  
 Notification notification=new Notification.Builder(this)  
 .setSmallIcon(R.drawable.*ic\_launcher\_background*)  
 .setContentTitle("Tree")  
 .setContentText("Trees.....")  
 .build();  
 nm.notify(*CHANNEL\_ID*,notification);  
 }  
 }  
  
}

**Output:**

 