# Develop an application that gives notification with specific message.

<?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">

<EditText android:id="@+id/etName"

android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:hint="Enter your name" android:layout\_marginStart="20dp" android:layout\_marginTop="20dp" android:layout\_marginEnd="20dp"/>

<Button android:id="@+id/button"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Show Notification" android:layout\_below="@id/etName" android:layout\_centerHorizontal="true" android:layout\_marginTop="20dp"/>

</RelativeLayout>

# Mainactivity

package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity; import androidx.core.app.NotificationCompat;

import android.app.NotificationChannel; import android.app.NotificationManager; import android.content.Context;

import android.os.Build; import android.os.Bundle; import android.view.View; import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity { Button b;

EditText etName; // Declare EditText variable

private static final String CHANNEL\_ID = "MyNotificationChannel"; private static final int NOTIFICATION\_ID = 1;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

// Find the button and EditText in the layout b = findViewById(R.id.button);

etName = findViewById(R.id.etName);

// Create notification channel createNotificationChannel();

// Set onClickListener for the button b.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

// Get the name from EditText

String name = etName.getText().toString();

// Show notification with custom message including the name showNotification(name);

}

});

}

// Method to show notification with custom message including the name private void showNotification(String name) {

NotificationCompat.Builder builder = new NotificationCompat.Builder(this, CHANNEL\_ID)

.setSmallIcon(R.drawable.ic\_launcher\_background)

.setContentTitle("Hello iam, " + name) // Include the name in the notification message

.setContentText("Good morning! Have a nice day.")

.setPriority(NotificationCompat.PRIORITY\_DEFAULT);

NotificationManager notificationManager = (NotificationManager) getSystemService(Context.NOTIFICATION\_SERVICE);

notificationManager.notify(NOTIFICATION\_ID, builder.build());

}

// Method to create notification channel (for Android Oreo and above) private void createNotificationChannel() {

if (Build.VERSION.SDK\_INT >= Build.VERSION\_CODES.O) {

CharSequence name = "My Notification Channel"; String description = "Channel description";

int importance = NotificationManager.IMPORTANCE\_DEFAULT;

NotificationChannel channel = new NotificationChannel(CHANNEL\_ID, name, importance); channel.setDescription(description);

NotificationManager notificationManager = getSystemService(NotificationManager.class); notificationManager.createNotificationChannel(channel);

}

**}**

**}**