

Main Activity JAVA

```
package com.example.notification;

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

import android.app.NotificationChannel;
import android.app.NotificationManager;
import android.os.Build;
import android.os.Bundle;
import android.view.View;

public class MainActivity extends AppCompatActivity {
    public static final String CHANNEL_ID="pu_channel_id";
    public static final String CHANNEL_NAME="pu";
    public static final String CHANNEL_DESC="PU Notification Channel";

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        if(Build.VERSION.SDK_INT>=Build.VERSION_CODES.O) {
            NotificationChannel channel = new
NotificationChannel(CHANNEL_ID,CHANNEL_NAME,
NotificationManager.IMPORTANCE_DEFAULT);
            channel.setDescription(CHANNEL_DESC);
            NotificationManager manager =
getSystemService(NotificationManager.class);
            manager.createNotificationChannel(channel); }
        }

        public void displaynotification(View view) {
            NotificationCompat.Builder mBuilder = new
NotificationCompat.Builder(this,CHANNEL_ID)
.setSmallIcon(R.drawable.ic_baseline_filter).setContentTitle("Notification EG 1")
.setContentText("PU First Notification").setPriority(0);
            NotificationManagerCompat notificationManagerCompat
=NotificationManagerCompat.from(this);
            notificationManagerCompat.notify(1,mBuilder.build());
        }
    }
}
```

XML code:

```
<?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=".MainActivity">

    <Button
        android:id="@+id/button2"
        android:layout_width="199dp"
        android:layout_height="49dp"
        android:onClick="displaynotification"
        android:text="Notify!"
        app:backgroundTint="#03A9F4"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.559" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="358dp"
        android:layout_height="41dp"
        android:text="Press button to get Notification"
        android:textSize="24sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.49"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.056" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

OUTPUT:

