```
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.0) {
            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")
=NotificationManagerCompat.from(this);
notificationManagerCompat.notify(1,mBuilder.build());
```

## XML code:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    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"
        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:**

