

EXPERIMENT - 06

CODE:

```
package com.example.myapplication;

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

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

public class MainActivity extends AppCompatActivity {
    Button btnNotify;
    EditText etMessage;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        btnNotify = findViewById(R.id.btn_notify);
        etMessage = findViewById(R.id.et_message);

        btnNotify.setOnClickListener(new View.OnClickListener() {
            @RequiresApi(api = Build.VERSION_CODES.O)
            @Override
            public void onClick(View v) {
                String message = etMessage.getText().toString();
                Intent intent = new Intent(MainActivity.this, MainActivity.class);
                PendingIntent pendingIntent = PendingIntent.getActivity(
                    MainActivity.this, 0, intent, PendingIntent.FLAG_UPDATE_CURRENT |
                    PendingIntent.FLAG_MUTABLE);

                NotificationManager mNotificationManager = (NotificationManager)
```

```

        getSystemService(Context.NOTIFICATION_SERVICE);

        String id = "243";
        String name = "My Channel"; // Set a meaningful name for your channel
        int importance = NotificationManager.IMPORTANCE_LOW;

        NotificationChannel mChannel = new NotificationChannel(id, name, importance);
        mChannel.enableLights(true);
        mNotificationManager.createNotificationChannel(mChannel);

        NotificationCompat.Builder notificationBuilder = new
        NotificationCompat.Builder(MainActivity.this, id)
            .setContentTitle("New Message")
            .setContentText(etMessage.getText().toString())
            .setSmallIcon(R.mipmap.ic_launcher)
            .setContentIntent(pendingIntent);

        Notification notification = notificationBuilder.build();

        notification.flags |= Notification.FLAG_AUTO_CANCEL;
        mNotificationManager.notify(Integer.parseInt(id), notification);

        etMessage.setText("");
    }
}
}
}

```

XML

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    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"
    android:orientation="vertical"
    tools:context=".MainActivity">

```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Message"
    android:textSize="30sp" />
```

```
<EditText
    android:id="@+id/et_message"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:singleLine="true"
    android:textColor="#000000"
    android:textSize="30sp" />
```

```
<Button
    android:id="@+id/btn_notify"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:layout_margin="30dp"
    android:text="Notify"
    android:textSize="30sp" />
```

```
</LinearLayout>
```

OUTPUT

