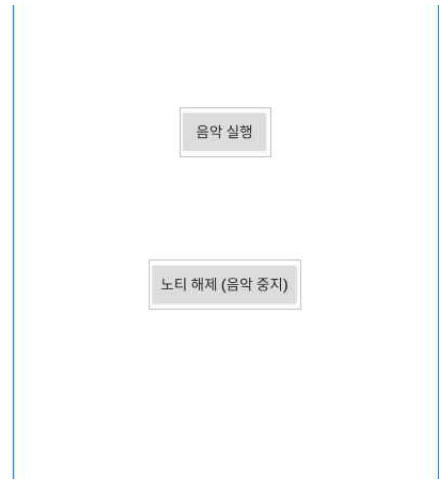


```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        android:text="음악 실행"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="100dp"
        android:text="노티 해제 (음악 중지)"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.498"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@+id/button1" />
</androidx.constraintlayout.widget.ConstraintLayout>
```



```
public class MainActivity extends AppCompatActivity {
    Button button1, button2 ;
    NotificationManager manager ; // 통지(알림) 설정 매니저
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        button1 = findViewById(R.id.button1);
        button2 = findViewById(R.id.button2);

        manager = (NotificationManager) getSystemService(NOTIFICATION_SERVICE);

        // 음악 재생
        button1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                // 서비스를 이용해서 음악 재생
                Intent intent = new Intent(MainActivity.this, MyService.class);
                startService(intent);

                // 알림 설정
                Notification.Builder builder = new Notification.Builder(MainActivity.this);

                builder.setSmallIcon(R.mipmap.ic_launcher_round);
                builder.setContentTitle("음악서비스");
                builder.setContentText("백지영... 춤 맞는 것 처럼");

                // 다른 어플리케이션에게 인텐트를 위임하기 위해서는 PendingIntent가 필요하다.
                Intent p_intent =
                    new Intent(MainActivity.this, MainActivity.class);
                Intent[] intents = new Intent[1];
                intents[0] = p_intent ;

                PendingIntent pendingIntent =
                    PendingIntent.getActivities(MainActivity.this, 100, intents, 0);
                builder.setContentIntent(pendingIntent);
                Notification noti = builder.build();
                manager.notify(1, noti);
            }
        });

        // 노티 해제 하면서 음악 중단
        button2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(MainActivity.this, MyService.class);
                stopService(intent);
                manager.cancel(1);
            }
        });
    }
}
```



```
public class MyService extends Service {
    MediaPlayer player;
    String path =
        Environment.getDataDirectory()+"/data/com.ict.ex84_sound/back.mp3";
    public MyService() { }
    @Override
    public IBinder onBind(Intent intent) {
        // TODO: Return the communication channel to the service.
        throw new UnsupportedOperationException("Not yet implemented");
    }

    // MainActivity에서 startService(intent)를 받아서 실행하는 메소드
    @Override
    public int onStartCommand(Intent intent, int flags, int startId) {
        try {
            player = new MediaPlayer();
            player.setDataSource(path);
            player.prepare();
            player.start();
        } catch (Exception e){
        }
        return super.onStartCommand(intent, flags, startId);
    }

    // stopService(intent)을 받아서 처리하는 메소드
    @Override
    public void onDestroy() {
        super.onDestroy();
        player.stop();
        player.release();
    }
}
```

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.ict.ex84_sound">

    <uses-permission android:name="android.permission.READ_EXTERNAL_STORAGE" />

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/AppTheme">

        <service
            android:name=".MyService"
            android:enabled="true"
            android:exported="true"></service>

        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```