*P2*

*Git:* <https://github.com/18mca8094/services>

*Activity\_main.xml*

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 android:background="@android:color/holo\_blue\_dark"**>  
  
 <**Button  
 android:id="@+id/buttonStart"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginStart="142dp"  
 android:layout\_marginTop="267dp"  
 android:text="Start Service"** />  
  
 <**Button  
 android:id="@+id/buttonStop"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerHorizontal="true"  
 android:layout\_centerVertical="true"  
 android:text="Stop Service"** />  
  
</**RelativeLayout**>

MainActivity.java

**package** com.example.services;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
  
**public class** MainActivity **extends** AppCompatActivity **implements** View.OnClickListener{  
 Button **buttonStart**, **buttonStop**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **buttonStart** = findViewById(R.id.***buttonStart***);  
 **buttonStop** = findViewById(R.id.***buttonStop***);  
  
  
  
 }  
 **public void** onClick(View src) {  
 **switch** (src.getId()) {  
 **case** R.id.***buttonStart***:  
  
 startService(**new** Intent(**this**, MyService.**class**));  
 **case** R.id.***buttonStop***:  
 stopService(**new** Intent(**this**, MyService.**class**));  
  
  
 }  
 }  
}

MyService.java

**package** com.example.services;  
  
**import** android.app.Service;  
**import** android.content.Intent;  
**import** android.media.MediaPlayer;  
**import** android.os.IBinder;  
**import** android.widget.Toast;  
  
**import** androidx.annotation.Nullable;  
  
**public class** MyService **extends** Service {  
  
 MediaPlayer **myPlayer**;  
 @Nullable  
 @Override  
 **public** IBinder onBind(Intent intent) {  
 **return null**;  
 }  
 @Override  
 **public void** onCreate() {  
 Toast.*makeText*(**this**, **"Service Created"**, Toast.***LENGTH\_LONG***).show();  
  
 **myPlayer** = MediaPlayer.*create*(**this**, R.raw.***tere***);  
 **myPlayer**.setLooping(**false**); *// Set looping* }  
 @Override  
 **public void** onStart(Intent intent, **int** startid) {  
 Toast.*makeText*(**this**, **"Service Started"**, Toast.***LENGTH\_LONG***).show();  
 **myPlayer**.start();  
 }  
 @Override  
 **public void** onDestroy() {  
 Toast.*makeText*(**this**, **"Service Stopped"**, Toast.***LENGTH\_LONG***).show();  
 **myPlayer**.stop();  
 }  
}

AndroidManifest.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.example.services"**>  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/AppTheme"**>  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 <**service android:name=".MyService"  
 android:enabled="true"**/>  
 </**application**>  
  
</**manifest**>

Output

