**Task 1: Create a start service to show its callback life cycle.**

**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"**>  
  
 <**Button android:layout\_height="wrap\_content"  
 android:layout\_width="wrap\_content"  
 android:text="Start Activity"  
 android:onClick="start"**/>  
  
 <**Button android:layout\_height="wrap\_content"  
 android:layout\_width="wrap\_content"  
 android:text="Stop Activity"  
 android:onClick="stop"**/>  
  
</**LinearLayout**>

**Main Activity:**

**package** com.example.startservices;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 Intent **i**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **i** = **new** Intent(getApplicationContext(),stService.**class**);  
 }  
  
 **public void** stop(View view) {

stopService(**i**);  
}  
  
 **public void** start(View view) {

startService(**i**);   
   
 }  
}

**Service Code:**

**package** com.example.startservices;  
  
**import** android.app.Service;  
**import** android.content.Intent;  
**import** android.media.MediaPlayer;  
**import** android.os.IBinder;  
**import** android.provider.Settings;  
  
**public class** stService **extends** Service {  
 **private** MediaPlayer **player**;  
 @Override  
 **public int** onStartCommand(Intent intent, **int** flags, **int** startId) {  
  
 **player** = MediaPlayer.*create*(getApplicationContext(), Settings.System.***DEFAULT\_RINGTONE\_URI***);  
 **player**.start();  
 **return super**.onStartCommand(intent, flags, startId);  
 }  
  
 @Override  
 **public** IBinder onBind(Intent intent) {  
 **player**.stop();  
 **throw new** UnsupportedOperationException(**"Not yet implemented"**);  
 }  
}

