***TASK # 01***

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

***CODE***

***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****>*

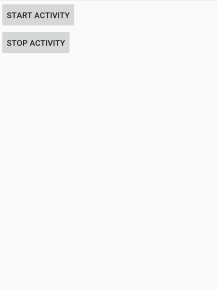
***Main Activity***

***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) {  
 startService(****i****);  
 }* ***public void*** *start(View view) {  
 stopService(****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****.stop ();* ***return super****.onStartCommand(intent, flags, startId);  
 }  
 @Override* ***public*** *IBinder onBind(Intent intent) {* ***player****.start ();* ***throw new*** *UnsupportedOperationException(****"Not yet implemented"****);  
 }  
}*

***OUTPUT***

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