**activity\_main.xml**

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:id="@+id/activity\_main"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:paddingBottom="@dimen/activity\_vertical\_margin"

android:paddingLeft="@dimen/activity\_horizontal\_margin"

android:paddingRight="@dimen/activity\_horizontal\_margin"

android:paddingTop="@dimen/activity\_vertical\_margin"

tools:context="net.simplifiedcoding.androidserviceexample.MainActivity">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_centerVertical="true"

android:orientation="vertical">

<Button

android:id="@+id/buttonStart"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:text="Start Service" />

<Button

android:id="@+id/buttonStop"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_weight="1"

android:text="Stop Service" />

</LinearLayout>

</RelativeLayout>

**MainActivity.java**

package net.simplifiedcoding.androidserviceexample;

import android.content.Intent;

import android.media.MediaPlayer;

import android.provider.Settings;

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

public class MainActivity extends AppCompatActivity implements View.OnClickListener {

//button objects

private Button buttonStart;

private Button buttonStop;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

//getting buttons from xml

buttonStart = (Button) findViewById(R.id.buttonStart);

buttonStop = (Button) findViewById(R.id.buttonStop);

//attaching onclicklistener to buttons

buttonStart.setOnClickListener(this);

buttonStop.setOnClickListener(this);

}

@Override

public void onClick(View view) {

if (view == buttonStart) {

//starting service

startService(new Intent(this, MyService.class));

} else if (view == buttonStop) {

//stopping service

stopService(new Intent(this, MyService.class));

}

}

}

**MyService.java**.

package net.simplifiedcoding.androidserviceexample;

import android.app.Service;

import android.content.Intent;

import android.media.MediaPlayer;

import android.os.IBinder;

import android.provider.Settings;

import android.support.annotation.Nullable;

public class MyService extends Service {

//creating a mediaplayer object

private MediaPlayer player;

@Nullable

@Override

public IBinder onBind(Intent intent) {

return null;

}

@Override

public int onStartCommand(Intent intent, int flags, int startId) {

//getting systems default ringtone

player = MediaPlayer.create(this,

Settings.System.DEFAULT\_RINGTONE\_URI);

//setting loop play to true

//this will make the ringtone continuously playing

player.setLooping(true);

//staring the player

player.start();

//we have some options for service

//start sticky means service will be explicity started and stopped

return START\_STICKY;

}

@Override

public void onDestroy() {

super.onDestroy();

//stopping the player when service is destroyed

player.stop();

}

}

In manifest file

<service android:name=".MyService" />