<resources>

<string name="app\_name">Services\_In\_Android</string>

<string name="heading">Services In Android</string>

<string name="startButtonText">Start the Service</string>

<string name="stopButtonText">Stop the Service</string>

</resources>

<?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"

android:background="#168BC34A"

tools:context=".MainActivity">

<LinearLayout

android:id="@+id/linearLayout"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_centerVertical="true"

android:orientation="vertical"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="1.0"

tools:ignore="MissingConstraints">

<TextView

android:id="@+id/textView1"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginBottom="170dp"

android:fontFamily="@font/roboto"

android:text="@string/heading"

android:textAlignment="center"

android:textAppearance="@style/TextAppearance.AppCompat.Large"

android:textColor="@android:color/holo\_green\_dark"

android:textSize="36sp"

android:textStyle="bold" />

<Button

android:id="@+id/startButton"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_marginStart="20dp"

android:layout\_marginTop="10dp"

android:layout\_marginEnd="20dp"

android:layout\_marginBottom="20dp"

android:background="#4CAF50"

android:fontFamily="@font/roboto"

android:text="@string/startButtonText"

android:textAlignment="center"

android:textAppearance="@style/TextAppearance.AppCompat.Display1"

android:textColor="#FFFFFF"

android:textStyle="bold" />

<Button

android:id="@+id/stopButton"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_marginStart="20dp"

android:layout\_marginTop="10dp"

android:layout\_marginEnd="20dp"

android:layout\_marginBottom="20dp"

android:background="#4CAF50"

android:fontFamily="@font/roboto"

android:text="@string/stopButtonText"

android:textAlignment="center"

android:textAppearance="@style/TextAppearance.AppCompat.Display1"

android:textColor="#FFFFFF"

android:textStyle="bold" />

<ImageView

android:id="@+id/imageView"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginTop="80dp"

app:srcCompat="@drawable/banner" />

</LinearLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

import android.app.Service;

import android.content.Intent;

import android.media.MediaPlayer;

import android.os.IBinder;

import android.provider.Settings;

import androidx.annotation.Nullable;

public class NewService extends Service {

// declaring object of MediaPlayer

private MediaPlayer player;

@Override

// execution of service will start

// on calling this method

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

// creating a media player which

// will play the audio of Default

// ringtone in android device

player = MediaPlayer.create( this, Settings.System.DEFAULT\_RINGTONE\_URI );

// providing the boolean

// value as true to play

// the audio on loop

player.setLooping( true );

// starting the process

player.start();

// returns the status

// of the program

return START\_STICKY;

}

@Override

// execution of the service will

// stop on calling this method

public void onDestroy() {

super.onDestroy();

// stopping the process

player.stop();

}

@Nullable

@Override

public IBinder onBind(Intent intent) {

return null;

}

}

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 {

// declaring objects of Button class

private Button start, stop;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate( savedInstanceState );

setContentView( R.layout.activity\_main );

// assigning ID of startButton

// to the object start

start = (Button) findViewById( R.id.startButton );

// assigning ID of stopButton

// to the object stop

stop = (Button) findViewById( R.id.stopButton );

// declaring listeners for the

// buttons to make them respond

// correctly according to the process

start.setOnClickListener( this );

stop.setOnClickListener( this );

}

public void onClick(View view) {

// process to be performed

// if start button is clicked

if(view == start){

// starting the service

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

}

// process to be performed

// if stop button is clicked

else if (view == stop){

// stopping the service

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

}

}

}

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

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

package="com.example.services\_in\_android">

<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>

<meta-data

android:name="preloaded\_fonts"

android:resource="@array/preloaded\_fonts" />

<!-- Mention the service name here -->

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

</application>

</manifest>