Practical No: 07a

Aim: Create the background service android application to play the ringtone/music

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">
      <Button
              android:id="@+id/button"
              android:layout width="245dp"
              android:layout height="76dp"
              android:layout alignParentStart="true"
              android:layout alignParentTop="true"
              android:layout marginStart="93dp"
              android:layout marginTop="113dp"
              android:onClick="onStartMusic"
              android:text="Start Music"
              android:textSize="24sp" />
          <Button
              android:id="@+id/button2"
              android:layout width="241dp"
              android:layout_height="74dp"
              android:layout_alignParentStart="true"
              android:layout_alignParentTop="true"
              android:layout_marginStart="93dp"
              android:layout_marginTop="269dp"
              android:onClick="onStopMusic"
              android:text="Stop Music"
              android:textSize="24sp" />
      </RelativeLayout>
```

Right Click on project and create new java class, name it as MyService

MyService.java

```
package com.example.p7aservice;
import android.app.Service;
import android.content.Intent;
import android.media.MediaPlayer;
import android.os.IBinder;
import android.widget.Toast;

public class MyService extends Service {
    MediaPlayer myPlayer;

    @Override
```

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```
public IBinder onBind(Intent intent) {
        return null;
    @Override
    public void onCreate() {
  Toast.makeText(this, "Music Service Launched", Toast.LENGTH LONG).show();
        myPlayer = MediaPlayer.create(this, R.raw.m);
        myPlayer.setLooping(false); // Set looping
    @Override
    public void onStart(Intent intent, int startid) {
        Toast.makeText(this, "Music Service Started",
Toast. LENGTH LONG) . show();
       myPlayer.start();
    @Override
    public void onDestroy() {
        Toast.makeText(this, "Music Service Stopped",
Toast. LENGTH LONG) . show();
       myPlayer.stop();
}
```

Update AndroidManifest.xml as below:

AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   xmlns:tools="http://schemas.android.com/tools" >
   <application
       android:allowBackup="true"
       android:dataExtractionRules="@xml/data extraction rules"
       android:fullBackupContent="@xml/backup rules"
       android:icon="@mipmap/ic launcher"
       android:label="@string/app name"
       android:supportsRtl="true"
       android:theme="@style/Theme.P7aService"
       tools:targetApi="31" >
       <activity
           android: name=".MainActivity"
           android:exported="true" >
           <intent-filter>
               <action android:name="android.intent.action.MAIN" />
               <category android:name="android.intent.category.LAUNCHER" />
           </intent-filter>
     </activity>
       <service</pre>
           android:name=".MyService"
           android:enabled="true" />
    </manifest>
```

MainActivity.java

```
package com.example.p7aservice;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    public void onStartMusic(View v)
        startService(new Intent(this, MyService.class));
    }
    public void onStopMusic(View v)
        stopService(new Intent(this, MyService.class));
```

Output:





