PRACTICAL NO: 6A

Aim: Create an android app for Audio.

Code:

activity_main.xml:

```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="wrap_content"
        android:layout_height="wrap_content"
        android:text="Play"
        android:onClick="playMusic"
        android:layout_marginTop="450dp"
        android:layout_marginLeft="50dp"/>

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Pause"
        android:onClick="pauseMusic"
        android:layout_marginTop="450dp"
        android:layout_marginLeft="150dp"/>

    <Button
        android:id="@+id/button3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Stop"
        android:onClick="stopMusic"
        android:layout_marginTop="450dp"
        android:layout_marginLeft="250dp"/>

</RelativeLayout>
```

MainActivity.java:

```java
package com.example.practical6a;

import androidx.appcompat.app.AppCompatActivity;

import android.media.MediaPlayer;
import android.os.Bundle;
import android.view.View;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
    MediaPlayer player;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    public void playMusic(View view){
        if(player==null) {
            player = MediaPlayer.create(this, R.raw.song);
            player.start();
        }
    }
    public void pauseMusic(View view){
            player.pause();
    }
    public void stopMusic(View view){
        if(player!=null){
            player.release();
            player=null;
            Toast.makeText(getApplicationContext(),
                            "MediaPlayer released",Toast.LENGTH_SHORT)
                    .show();
        }
    }
}
```

PLAY   PAUSE   STOP

PLAY　　PAUSE　　STOP

MediaPlayer released